







ANNUAL REPORT  
OF THE  
**PUBLIC WORKS DEPARTMENT**  
FOR THE YEAR ENDING DECEMBER 31, 1958.

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BOSTON, January 2, 1959.

HON. JOHN B. HYNES,  
*Mayor of Boston.*

DEAR MR. MAYOR:

In compliance with the provisions of section 24 of chapter 3 of the Revised Ordinances of 1947, I respectfully submit the annual report of the Public Works Department and the Public Improvement Commission for the year ending December 31, 1958.

FISCAL

The total expenditures of the department for the year were \$24,091,546.44, of which \$3,283,217.68 represents water assessments levied by the Metropolitan District Commission and \$898,266.66 represents Metropolitan District Commission sewer assessments. The water assessments are \$45,479 less than those levied in 1957, and the sewer assessments are \$24,101.49 more than those levied in 1957.

The water assessment reduction is a reflection of the colder and wetter conditions prevailing in 1957 which lowered the water usage and consequently lowered our assessment payable in 1958. Under normal conditions both the water and sewer assessments tend to increase and must be anticipated.

The receipts of the Water Division totaled \$6,056,-716.55, and the surplus resulting from the sale of water was \$78,924.81. The operation of the Sumner Tunnel resulted in a substantial surplus of \$924,350.77. In comparison to the record previous year, this represents a drop in surplus of \$270,235.53. This drop in revenue can be traced to the opening of the Northeast Expressway and the consequent loss of traffic to the Mystic River Bridge facility.

### LOAN ORDERS

For the first time in many years, the department did not request a loan order for the construction of public ways. It was possible to refrain from a loan order request because of two factors. First, on July 26, 1957, your Honor approved a City Council order for a \$3,000,-000 appropriation for the construction of public ways. Secondly, approximately \$2,225,000 was made available to Boston under the provisions of Chapter 718 of the Acts of 1956. The total amount made available by these two provisions gave the department adequate funds for its construction needs for both 1957 and 1958, thereby eliminating any need for a loan order request for 1958.

### STREET CONSTRUCTION WORK

#### *State-Aid Program*

The Chapter 90 work, which has become a vital cog in our over-all highway improvement program, was carried forward with customary concentration. We are rapidly approaching the much desired goal of having most of our main arteries thoroughly revamped to meet present-day traffic needs.

With the completion of the final link in the chain consisting of the Seaver Street-Columbus Avenue contract now under construction, we will have developed a completely remodeled, divided highway from Mattapan square to Egleston square by way of Blue Hill avenue, Seaver street, and Columbus avenue. It will have appropriate left-turn lanes, the latest in mercury vapor luminaries, and all the other adjuncts of present-day highway standards.

I submit below a schedule of Chapter 90 projects which were under construction in 1958 and the list of Chapter 90 projects which we have earmarked for 1959 consideration.

# PUBLIC WORKS DEPARTMENT

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## PROJECTS UNDER CONSTRUCTION IN 1958

Project	Contractor	Bid Price	Final Contract Payment
Blue Hill avenue, Dorchester: Reconstruction from Woodhaven street to Columbine street (started in 1957 and completed in 1958) . . . . .	Manning Construction Company	\$248,102 00	\$250,755 94
Commonwealth avenue, Brighton: Reconstruction from Brighton avenue to Warren street (started in 1957 and completed in 1958) . . . . .	Rufo Construction Company	\$238,663 72	\$279,916 30
East Broadway, South Boston: Reconstruction from Dorchester street to M street (started in 1957 and completed in 1958) . . . . .	Baker & Co., Inc.	\$100,721 50	\$100,687 81
Tremont street, Brighton: Reconstruction from Oak square to Newton line (started and completed in 1958) . . . . .	Chesterbrook Construction Company	\$45,100 00	\$50,843 08
River street, Hyde Park and Dorchester: Reconstruction from Wood avenue to Edgewater Drive (started and completed in 1958) . . . . .	Baker & Co., Inc.	\$39,928 25	\$45,105 62
Columbus avenue, Seaver street, Roxbury and Dorchester: Reconstruction from Egleston square to Blue Hill avenue (started in 1958 to be completed in 1959) . . . . .	John McCourt Company	\$215,642 50	

## ADDITIONAL CHAPTER 90 PROJECTS SCHEDULED FOR 1959

Project	Length
Dorchester avenue, South Boston: Reconstruction from West Fourth street to Andrew square . . . . .	4,350 feet
Baker street, West Roxbury: Reconstruction from Centre street to Veterans of Foreign Wars Parkway . . . . .	6,700 feet
Columbus avenue, Roxbury: Reconstruction from Roxbury street to Centre street . . . . .	2,600 feet
Commonwealth avenue, Brighton: Reconstruction from Warren street to Chestnut Hill avenue . . . . .	5,700 feet
West Broadway, South Boston: Reconstruction from Dorchester avenue to Dorchester street . . . . .	4,120 feet
Main street, Charlestown: Reconstruction from City square to Sullivan square . . . . .	5,100 feet
Cambridge street, Charlestown: Reconstruction from Sullivan square to Somerville line . . . . .	2,000 feet
River street, Hyde Park: Reconstruction from Wood avenue to Fairmount avenue . . . . .	4,050 feet
Fairmount avenue, Hyde Park: Reconstruction from River street to Truman Highway . . . . .	1,400 feet
West street, Hyde Park: Reconstruction from River street to Hyde Park square . . . . .	1,500 feet
Beacon street, Boston Proper: Reconstruction from Kenmore square to Park Drive . . . . .	1,930 feet
Bennington street, East Boston: Reconstruction from bridge over the MTA to Revere line . . . . .	2,300 feet
<b>Total . . . . .</b>	<b>41,750 feet or 7.9 miles</b>

## STREET CONSTRUCTION WORK

*Exclusive of Chapter 90 Projects*

The report of the Division Engineer of the Highway Division lists in detail the varied highway constructions and reconstructions accomplished throughout the city along with some of the more important roadways.

The policy of replacing defective brick sidewalks with cement concrete sidewalks wherever conditions indicated the need for such improvement was somewhat curtailed due to the smaller amount of money allowed in the budget for this type of work.

The following is a summarized financial statement of the expenditures made in 1958 for highway improvements:

Public Ways, Construction of (Loan Account) . . . . .	\$1,939,202	89
Public Ways, Construction of (Revenue Account) . . . . .	68,556	58
Reconstruction of Streets (including sidewalks) . . . . .	40,494	70
Sidewalks, Construction and reconstruction of . . . . .	142,446	68
Expended under provisions of Ch. 718, Acts of 1956 . . . . .	608,400	12
<b>Total . . . . .</b>	<b>\$2,799,100</b>	<b>97</b>

The following is a summarized record of the highway improvement work done by the department in 1958:

*Number of Streets Constructed or Reconstructed, 151.*

This total includes 35 new streets laid out and constructed as public ways under the provisions of Chapter 393, Acts of 1906.

*Streets Improved, 24.4 Miles.*

This includes 4.7 miles reconstructed as Chapter 90 projects.

*Sidewalks Improved, 5.3 Miles.*

This item does not include sidewalks improved in the above-noted street improvements.

## STREET LIGHTING

We have continued our policy of replacing inefficient gas lamps with modern electric illumination. During the year we replaced just under 400 gas lamps, leaving only about 300 out of a total of approximately 7,000 gas lamps that were in operation eight years ago. We hope to complete the gas lamp changeover during the coming year.

A detailed list of lighting installations and improvements is included in the report of the Lighting Section

of the Highway Division. This listing, plus a compilation of the total amount of modernization accomplished by relighting with modern mercury vapor lights of at least 15,000 lumens, highlights the accelerated pace of our very important street lighting modernization program.

**TOTAL NUMBER OF UNITS OF MODERN MERCURY VAPOR LIGHTING ORDERED FOR PRINCIPAL STREETS.**

15,000 lumens	20,000 lumens
single units . . . 246	single units . . . 154
*twin units . . . 58	*twin units . . . 14

\* Twin units are used on streets having center islands or traffic divisional islands.

**SNOW REMOVAL**

The snow season of 1958 was highlighted by the snowstorm which began early Sunday morning on February 16 and continued with unabated fury throughout the day. It ended at approximately four o'clock on the morning of the next day, Monday, February 17.

A modern-day record accumulation for one snowstorm was run up by this storm when it left a staggering total of 19.4 inches in the city proper and as much as 22 inches in our suburban areas.

The department mustered every possible piece of city and hired equipment in order to combat this paralyzing blow and worked around the clock to restore conditions approaching normal.

As is increasingly noticeable with each storm, the parked cars greatly impeded the work of properly plowing the streets. Because of this problem of snowed-in vehicles, some of our smaller residential streets remained unplowed until we were able to haul out the offending cars.

The storm took a major portion of the total outlay of \$782,000 for snow removal work in 1958. The accumulation for the year was 49.3 inches according to the official records at the East Boston Airport weather station.

On April 11, a rather unusual storm took place that deposited an accumulation of 2 inches to 3 inches of slushy snow. With the exception of only two other

years, this was the latest date upon which we have had any appreciable amount of snow within the last twenty years.

#### BRIDGES

The outstanding bridge project for this year was the complete reconstruction of the Summer Street Bridge over the Reserved Channel with the exception of the drawspan proper.

This completes the last link in the modernization of Summer and L streets, which has been in progress for over a year. This has been a joint city-state Chapter 90 project and has helped considerably to smooth the traffic flow over this much used highway.

#### SOUTH BAY INCINERATOR

Because of several strikes and delays in deliveries of materials, the construction of the incinerator was somewhat behind schedule, but the very noticeable progress made is reflected in a comparison of the two pictures taken at the site at the beginning and end of the year.

#### PERSONNEL

There were 1,885 employees in the department as of December 31 as compared with 1,948 employees on the rolls on January 1, 1958.

On April 15 I assumed the office of Commissioner of Public Works, through appointment by your Honor, following the retirement of George G. Hyland who served in the position for a total of nearly fifteen years. His prior service with the city started in 1925. Mr. Hyland, because of his intimate knowledge of the department and its varied activities, gave his best efforts in all that he did, and he left a record of faithful and conscientious service not only to the Public Works Department, but to the city itself.

I attach reports from the Division Engineers relative to the activities of their divisions in 1958, together with a report of the Public Improvement Commission covering its work during the year.

Respectfully submitted,

ROBERT P. SHEA,  
*Commissioner of Public Works.*

**PUBLIC WORKS DEPARTMENT**

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**MAINTENANCE APPROPRIATIONS AND EXPENDITURES**

DIVISION OR SERVICE.	Total Appropriations, Including Transfers and Amounts Carried Over from 1957.	Expenditures.	Unexpended Balance.
Central Office . . . . .	\$69,709 47	\$69,709 47	—
Automotive Division . . . . .	763,763 55	710,968 16	\$52,795 39
Bridge Division . . . . .	785,537 76	733,580 96	51,956 80
Highway Division . . . . .	1,629,197 50	1,565,946 61	63,250 89
Highway Program, Chapter 718, Acts of 1956 . . . . .	1,045,741 23	712,232 46	333,508 77
Lighting Service . . . . .	1,723,619 04	1,713,302 24	10,316 80
Sanitary Service . . . . .	4,938,954 29	4,934,719 29	4,235 00
Sewer Division . . . . .	905,614 72	844,047 82	61,566 90
Sumner Tunnel . . . . .	721,104 00	619,896 79	101,207 21
Survey Division . . . . .	94,743 04	94,743 04	—
Water Division . . . . .	2,817,504 81	2,255,144 79	562,360 02
<b>Totals . . . . .</b>	<b>\$15,495,489 41</b>	<b>\$14,254,291 63</b>	<b>\$1,241,197 78</b>

**LOANS AND SPECIAL APPROPRIATIONS**

TITLE.	Total Amount Available.	Expenditures.	Unexpended Balance.
Bridges, Construction of (Non-Revenue) . . . . .	\$899,115 73	\$550,997 12	\$348,118 61
Construction of Buildings and Original Equipment and Furnishings Thereof (Non-Revenue) . . . . .	8,661 09	—	8,661 09
Incinerator Building, Construction and Equipping (Non-Revenue) . . . . .	4,118,692 56	1,858,881 35	2,259,811 21
Public Ways, Construction of (Non-Revenue) . . . . .	2,254,654 34	1,939,202 89	315,451 45
Public Ways, Construction of (Revenue) . . . . .	74,190 92	68,556 58	5,634 34
Sewerage Works (Non-Revenue) . . . . .	362,267 10	262,187 26	100,079 84
Snow Removal (Revenue) . . . . .	840,202 36	782,531 23	57,671 13
Reconstruction of Streets (Revenue) . . . . .	49,502 88	40,494 70	9,008 18
Sidewalks, Construction and Reconstruction of (Revenue) . . . . .	190,504 71	142,446 68	48,058 03
Street Signs (Revenue) . . . . .	11,022 93	10,472 66	550 27
<b>Totals . . . . .</b>	<b>\$8,808,814 62</b>	<b>\$5,655,770 47</b>	<b>\$3,153,044 15</b>

The records of the department show that there are now 1,962 persons eligible for employment in the several divisions, and of that number 1,884 were upon the January 2, 1959, payrolls.

### GRADE AND NUMBER OF EMPLOYEES

TITLE.	SERVICES.								Total.	
	Central Office.	Automotive.	Bridge.	Highway-Lighting.	Sanitary.	Sewer.	Tunnel.	Water.		
Commissioner.....	1	.....	.....	.....	.....	.....	.....	.....	1	
Division engineers.....	.....	.....	1	1	1	1	.....	1	1	6
Chief highway engineer.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Director of transportation.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Associate civil engineer.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Assistant division engineer.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Superintendents and assistants.....	.....	1	.....	3	2	1	1	2	.....	10
District supervisors.....	.....	.....	.....	.....	12	.....	.....	.....	.....	12
Supervisors and assistants.....	1	2	1	2	2	.....	.....	2	.....	10
Principal senior and assistant civil engineers.....	1	.....	8	14	.....	20	.....	4	11	58
Junior civil engineers.....	.....	.....	4	6	.....	3	.....	1	6	20
Senior engineering aids.....	.....	.....	.....	7	.....	4	.....	2	5	18
Junior engineering aids.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Senior public relations representative.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Automotive and senior electrical engineers.....	.....	.....	.....	1	.....	.....	2	.....	.....	3
Assistant electrical engineers.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Chief pumping station engineer.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Pumping station engineers and stationary engineers.....	.....	.....	.....	.....	.....	4	.....	.....	.....	4
General foreman.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
District foremen.....	.....	.....	.....	11	6	5	.....	5	.....	27
Other foremen.....	11	1	.....	.....	3	1	2	3	.....	21
Chief inspectors.....	.....	.....	.....	1	.....	2	.....	.....	.....	3
Inspectors.....	.....	1	2	62	62	16	1	20	.....	161
Legal assistant.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Chief electrician.....	.....	.....	.....	1	.....	.....	1	.....	.....	1
Electrician operators.....	.....	.....	.....	1	.....	2	13	.....	.....	16
<i>Carried forward.....</i>	4	17	17	113	89	60	20	41	23	384

## GRADE AND NUMBER OF EMPLOYEES — Continued

Title.	SERVICES.									Total.
	Central Office.	Automotive.	Bridge.	Highway Lighting.	Sanitary.	Sewer.	Tunnel.	Water.	Survey.	
Brought forward . . . . .	4	17	17	113	89	60	20	41	23	384
Executive secretary, P. W. D. . . . .	1	—	—	—	—	—	—	—	—	1
Executive secretary and assistants . . . . .	—	—	—	—	—	—	—	—	2	2
Senior personnel officer and assistant . . . . .	2	—	—	—	—	—	—	—	—	2
Head administrative clerks . . . . .	—	—	—	1	—	1	—	—	—	2
Head clerks . . . . .	1	1	1	1	1	1	—	3	1	9
Principal clerk and secretary . . . . .	1	—	—	—	—	—	—	—	—	1
Principal clerks, stenographers, account clerks, etc. . . . .	1	2	3	11	3	4	2	7	1	34
Technical clerk . . . . .	—	—	—	—	—	—	—	1	—	1
Senior clerks, typists, stenographers, etc . . . . .	2	4	—	1	2	2	1	33	3	51
Clock-stenographers, clerks, typists . . . . .	1	—	—	—	1	—	—	14	—	16
Telephone operators . . . . .	—	—	—	—	—	—	—	3	—	3
Head cashier . . . . .	—	—	—	—	—	—	1	—	—	1
Senior cashier and cashiers . . . . .	—	—	—	1	—	—	2	1	—	4
Principal storekeepers . . . . .	1	—	—	—	1	—	—	1	—	3
Senior storekeeper and storekeepers . . . . .	2	—	—	—	—	—	—	—	—	2
Chief water meter reader . . . . .	—	—	—	—	—	—	—	1	—	1
Supervisor and special water meter readers . . . . .	—	—	—	—	—	—	—	5	—	5
Water meter readers and clerks . . . . .	—	—	—	—	—	—	—	30	—	30
Sergeant tollmen guards . . . . .	—	—	—	—	—	—	5	—	—	5
Tollmen guards . . . . .	—	—	—	—	—	—	45	—	—	45
Supervisor, mobile guard . . . . .	1	—	—	—	—	—	—	—	—	1
Sergeants, mobile guard . . . . .	3	—	—	—	—	—	—	—	—	3
Mobile guards . . . . .	7	—	—	—	—	—	—	—	—	7
Drawtenders and assistants . . . . .	—	100	—	—	—	—	—	—	—	100
Analytical chemist . . . . .	—	—	—	—	—	—	—	—	—	0
Chief and senior investigators . . . . .	—	—	2	—	—	—	—	—	—	2
Estimators and investigators . . . . .	—	—	—	7	—	—	—	—	—	7
Dispatcher . . . . .	—	1	—	—	—	—	—	—	—	1
Plumbers . . . . .	—	—	—	—	—	—	19	—	19	19
Head photostat operator . . . . .	—	—	—	—	—	—	—	1	—	1
Carried forward . . . . .	11	40	121	140	97	68	76	159	31	743

## GRADE AND NUMBER OF EMPLOYEES — Concluded

TITLE.	SERVICES.									Total.
	Central Office.	Automotive.	Bridge.	Highway-Lighting.	Sanitary.	Sewer.	Tunnel.	Water.	Survey.	
Brought forward . . . . .	11	40	121	140	97	68	76	159	31	743
Photostat operators . . . . .						1			1	2
Photographer . . . . .									1	1
Sewer gatemen . . . . .						5				5
Yardmasters and yardmen . . . . .			1	2		2		7		12
Road roller operators . . . . .				1						1
Working foremen . . . . .	2	3	1	3	8	2	19			38
Sewage screen operator . . . . .						1				1
Firemen and oilers . . . . .					10					10
Steamfitters . . . . .				1						1
Repairmen and maintenanceemen . . . . .	31	1	2	1	8	1	78			122
Crane operator . . . . .								1		1
Maintenance mechanics and helpers, etc. . . . .		1	1	7			20			29
Carpenters and helpers . . . . .		11		7	1		1			20
Welders . . . . .	3			1						4
Painters . . . . .	1	2	2	3			1			9
Pavers . . . . .			43					1		44
Blacksmiths and helpers . . . . .				1	18					19
Bricklayers . . . . .					1	4		1		6
Sewer cleaners . . . . .						10				10
Catch-basin machine operators . . . . .						9				9
Heavy motor equipment operators . . . . .	3		19	61	1	12	18			114
Motor equipment operators . . . . .	3	5	13	106	25		27			209
Junior building custodian . . . . .										0
Garage attendants . . . . .	16						1			17
Laborers . . . . .	6	3	85	297	12	7	39			449
Constables . . . . .				1	5			3		9
Totals . . . . .	11	105	148	312	607	165	100	374	33	1885

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NUMBER OF EMPLOYEES ACTUALLY EMPLOYED  
JANUARY 1, 1958, AND JANUARY 1, 1959

	Survey	Tunnel	Central Office.	Bridge	Water	Paving and Lighting	Sanitary, Street Cleaning,	Sewer	Automotive	Total
January 1, 1958.....	35	102	11	165	366	352	632	175	110	1,948
January 1, 1959.....	33	100	11	148	374	342	607	165	105	1,885

Total Eligible Force

January 1, 1958.....	41	105	12	166	403	379	635	177	117	2,035
January 1, 1959.....	39	108	11	156	393	353	621	171	110	1,962

APPOINTMENTS, TRANSFERS, RESIGNATIONS, RETIREMENTS, DEATHS, ETC., OF EMPLOYEES

Died	Retired.	Transferred to Other Departments	Transferred to Other Services	Discharged	Resigned	January 1, 1958	SERVICES 1958-1959	January 1, 1959	Transferred from Other Services	Transferred from Other Departments	Reinstated	Appointed
....	1	.....	.....	.....	.....	11	Central Office....	11	.....	.....	.....	1
3	8	.....	.....	.....	2	110	Automotive.....	105	2	2	1	3
5	8	2	3	....	2	165	Bridge.....	148	1	.....	.....	2
4	9	2	4	3	7	352	Highway.....	342	3	4	4	8
11	35	1	5	1	13	632	Sanitary.....	607	8	6	3	24
2	10	1	1	3	3	175	Sewer.....	165	1	.....	2	7
....	1	1	.....	.....	.....	35	Survey.....	33	.....	.....	.....	.....
2	3	.....	1	....	3	102	Tunnel.....	100	2	1	1	3
6	9	1	2	4	13	366	Water.....	374	1	3	3	36
33	84	8	16	11	43	1,948	Totals.....	1,885	18	16	14	84

## APPENDIX A

## REPORT OF THE AUTOMOTIVE DIVISION

BOSTON, January 2, 1959.

*To the Commissioner of Public Works.*

DEAR SIR:

I am submitting herewith the annual report of the Automotive Division of the Public Works Department for the year ending December 31, 1958. This report covers the activities of the five garages, the Mobile Guard Section, and the Motor Pool.

The quota of employees assigned to the Automotive Division for 1958 was 116 employees, assigned to the following duties: 1 chief automotive engineer in charge of the division; 9 clerical employees; 1 dispatcher in charge of the Motor Pool; 4 employees assigned to the stockroom; 3 employees assigned to wreckers; 41 employees assigned to repair work; 38 employees assigned to maintenance of buildings, gasoline and oil dispensing, cleaning, and watchmen's duties, and motor vehicle operation; and 19 employees assigned to the Mobile Guard Section which maintains a watch over Public Works Department property and equipment between the hours of 4 P.M., and 8 A.M. weekdays, and all day Saturdays, Sundays, and holidays. Due to retirements, etc., there were 107 employees on the payroll at the end of 1958.

The office maintained by the division at City Hall processed 1,799 requisitions in 1958, of which 1,141 were service orders, and 658 were purchase orders. A petty cash fund of \$300 was used to make about 100 purchases a month, usually under \$3 each. The City Hall office reports the following expenditures from the 1958 appropriation.

Personal services . . . . .	\$438,399 00
Contractual services . . . . .	57,980 00
Materials and supplies . . . . .	164,660 00
Rents and registration fees . . . . .	10,446 00
Purchase of new equipment . . . . .	73,335 00
<hr/>	
	<u>\$744,520 00</u>

The following equipment was purchased in 1958 from budget appropriations:

For the Water Division:

One Ford 2-ton platform truck, and one Chicago pneumatic air compressor

Two Ford 1-ton trucks, one emergency, and one meter

Three Ford 2-ton trucks for mounting air compressors

One Ford 2-ton truck with Gar Wood crane

Two Ford 2-ton dump trucks

One Ford sedan

One Rambler sedan

For the Sanitary Division:

Two Wayne street sweepers

For the Sewer Division:

One Ford 2-ton chassis and cowl for 7-man cab emergency truck

One Rambler sedan

For the Highway Division:

Two International Carryalls, for engineers

One GMC Suburban, for engineers

The department's fleet of 483 units of automotive equipment under the supervision of this division consists of 82 sedans and other vehicles used for transportation purposes, and 265 trucks of various sizes, including 36 snowfighters, 10 compressors, 4 catch-basin cleaners, 34 pickup trucks, 119 dump trucks, 6 wreckers, 6 flushers, 3 derrick trucks, 2 lumber trucks, 1 rack truck, 3 platform trucks, 32 emergency trucks, and 9 miscellaneous trucks. There are 26 street sweepers, 11 road rollers, 7 snow and bucket loaders, 19 front bucket loaders, 2 tractor shovels, 4 crawler tractors, 1 grader, 3 trailer compressors, and 63 miscellaneous pieces. There are 436 of these units registered under the motor vehicle law of the Commonwealth.

The repair shop at the Highland Street garage performed approximately 12,000 repair jobs in 1958, including tire repairs and lubrication check-ups. Six thousand repair work orders were made out by the motor equipment repairmen. Contracts in the amount of \$12,000 and \$5,000 were issued for the respective repair of Walter snowfighters and F. W. D. trucks.

The Mobile Guard and the Motor Pool operated in a satisfactory manner during 1958. The Motor Pool consists of one dispatcher and eight drivers (one from the Automotive Division). The dispatcher makes all assignments to the drivers, and also has charge of the

short-wave radio. Within the Public Works Department are 44 cars equipped with two-way radios. The Motor Pool assignments outside the Public Works Department consist of the following:

Institutions Department — Conveying patients to Tewksbury and Long Island, and children to various homes.

Purchasing Department — Conveying inspectors to sources of supplies.

Public Library — Checking distant libraries.

Election Department — Conveying voting machine officials and work on election days.

Assessing Department, Printing Department, Public Celebrations, Collector's Office, Mayor's Office, Real Estate Division, City Planning Board — Various assignments.

The Mobile Guard Section, with 17 men and 3 vehicles, patrols the city, protecting Public Works Department property. The guards inspect all yards and, at each location, punch a Detex time clock. Watchmen are permanently stationed on locations where experience has shown that it is advisable to have a man present at all times to protect city property.

A survey of the Albany Street garage was made late in 1958 by the Thompson & Lichtner Company. They recommend that extensive repairs be made to this plant and the sum of \$60,000 has been requested in the 1959 budget for this purpose.

#### VEHICLE ACCIDENT BREAKDOWN 1950 THROUGH 1958

YEAR	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year's Total
1950	23	31	21	22	13	18	3	13	19	15	19	20	217
1951	32	28	24	11	24	21	11	14	14	16	17	28	240
1952	33	57	17	11	18	12	12	20	16	19	12	21	248
1953	24	29	24	17	18	21	19	9	21	16	14	9	221
1954	42	10	13	13	11	10	15	14	20	8	11	24	191
1955	21	15	21	10	12	13	5	16	14	7	17	12	163
1956	21	26	46	20	7	12	6	13	8	11	15	12	197
1957	38	13	11	9	15	16	15	11	12	9	8	9	166
1958	28	39	10	7	7	11	15	13	10	10	7	14	171

The Mayor's Automotive Advisory Committee and Accident Review Board were established in 1952.

TIMOTHY J. O'LEARY,  
*Director of Transportation.*

APPENDIX B

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REPORT OF THE DIVISION ENGINEER OF  
THE BRIDGE DIVISION.

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BOSTON, January 2, 1959.

*To the Commissioner of Public Works.*

DEAR SIR:

Submitted herewith is the annual report of the Bridge Division, covering the income, expenditures, and operation of the Bridge Service and the Sumner Tunnel for the year ending December 31, 1958.

Respectfully,

JOHN J. McCALL,  
*Division Engineer,*  
*Bridge Division.*

## I. BRIDGE SERVICE

## SUMMARY OF BUDGET APPROPRIATIONS AND EXPENDITURES

	Regular Appropriation	Bridges, Repairs, etc.	BRIDGES, CONSTRUCTION OF	
			Revenue	Non-Revenue
Balance from 1957.....	\$1,745 00	\$60,202 01	\$27,325 65	\$3,261,214 89
1958 Appropriation.....	679,499 00	40,000 00	—	—
From Bridge Revenue..	9,000 00			
Total Credits.....	\$690,244 00	\$100,202 01	\$27,325 65	\$3,261,214 89
Transfers from.....	\$20,930 26	—	\$11,303 64	—
Enbumbrances.....	\$669,313 74	\$80,220 82	\$11,865 15	\$1,059,839 80
Total Debits.....	\$690,244 00	\$80,220 82	\$23,168 79	\$1,059,839 80
Unencumbered Balances.....	—	\$19,981 19	\$4,156 86	\$2,201,375 09

## DETAILS OF EXPENDITURES ON TIDEWATER BRIDGES

## TIDEWATER BRIDGES — 1958

Bridge	Draw-tenders' Salaries	Mechanics' Wages	Material	Repair Bills	Supplies, Utilities, Etc.	Total
Broadway.....	\$12,913 38	\$3,670 01	\$278 12	\$240 32	\$274 43	\$17,376 26
Charlestown.....	48,681 26	3,954 53	—	433 62	2,820 65	55,890 06
Chelsea Street.....	58,385 66	4,670 20	211 48	864 55	679 02	64,810 91
Congress Street.....	41,430 95	2,860 19	145 82	696 33	534 17	45,667 46
Malden.....	56,625 08	4,143 30	232 36	1,419 00	915 99	63,335 73
Andrew P. McArdle....	59,748 21	3,046 14	63 00	3,096 81	2,178 67	68,132 83
Northern Avenue.....	59,118 82	4,717 48	767 35	862 43	3,104 18	68,570 26
Summer Street (Ft. Pt.)	42,128 08	6,908 89	673 56	1,572 10	531 10	51,813 73
Summer Street (L St.)	40,953 70	6,773 68	557 48	1,165 18	691 34	50,141 38
Totals.....	\$419,985 14	\$10,741 42	\$2,929 17	\$10,350 34	\$11,729 55	\$485,738 62

\* Not operating as drawbridge but kept in operable condition for possible use during construction of Fitzgerald Expressway in Fort Point Channel area.

## WATERBORNE TRAFFIC THROUGH DRAWBRIDGES — 1958

BRIDGE	Steamers	Tugs	Barges	Pleasure Craft	All Others	Total Vessels	Total Cargoes	Total Openings
Charlestown*	0	0	7	0	0	7	1	7
Chelsea Street	404	4,663	1,788	0	564	7,419	1,254	3,462
Congress Street	76	685	171	8	92	1,032	152	516
Malden	59	402	399	720	92	1,672	252	1,334
McArdle	590	5,892	1,808	0	827	9,117	1,332	4,134
Northern Avenue	76	2,909	230	0	1,664	4,879	736	2,351
Summer Street (Fort Point Channel)	76	656	202	0	35	969	151	468
Summer Street (Reserved Channel)	0	116	189	174	13	492	78	385
Totals	1,281	15,323	4,794	902	3,287	25,587	3,956	12,657

\*Openings restricted due to reconstruction.

Throughout the year 1958 the status and condition of the city's ten drawbridge facilities remained practically unchanged from the previous year, and are specifically described as follows:

### 1. OVER FORT POINT CHANNEL

*Dover Street Bridge:* On June 3, 1958, this bridge was permanently closed to all highway traffic. Prior to that, it had been closed to waterborne traffic since May 13, 1955.

As of this writing, the Massachusetts Department of Public Works has executed a contract for the complete removal of the bridge superstructure and its replacement with a solid fill causeway, with culvert facilities to be installed to accommodate tidal flow.

Under this contract, which has been executed under the provisions of Section 34, Chapter 90, of the General Laws, the city will pay one half the cost, estimated to total \$553,711, based on the low bid for the work.

Related to this project is the construction of a trestle upstream from the bridge, necessary to carry the relocated water mains and other utilities as required by the replacement of the bridge. The trestle project, of necessity, is being executed in connection with the completion of the Fitzgerald Expressway in that area; and under an agreement with the Commonwealth, the city will assume one half the cost of the trestle project in an amount not to exceed \$60,000.00.

*Broadway Bridge:* This bridge has not operated as a drawbridge since May 13, 1955, but has been kept in operable condition against the possible necessity of making openings to accommodate the movements of waterborne equipment in connection with the construction of the expressway project upstream of the bridge.

It is expected that in the coming year it will be possible to exclude this possibility, and then fix the ends of the draw, remove the drawhouse, fender piers, machinery, etc. The bridge is in good condition.

*Summer Street, Congress Street, and Northern Avenue Bridges:* These three bridges are fully operating. At the present time, it is expected that the American Sugar Refinery will be relocated at the Mystic River sometime in 1960, at which time the Summer Street and Congress Street Bridges need no longer be operated.

The rebuilding of the Summer Street Bridge should proceed at that time, and new studies are being initiated to investigate the possibility of a solid fill replacement of the bridge.

The Congress Street Bridge is in good condition.

The Northern Avenue Bridge is operating satisfactorily, but is in need of replacement structurally. It is hoped that the possibility of closing the entire channel to navigation in the near future will permit a solid fill replacement of this bridge.

## 2. OVER RESERVED CHANNEL

*Summer Street Bridge (Formerly L Street):* This bridge has been undergoing major repairs during 1958. The entire South Boston approach trestle has been rebuilt; and the longer Boston approach has been repaired on the underside by renewing pile bracings and encasing defective piles with concrete. The entire surface of both approaches will be repaved.

It is expected that this project will be completed before the end of the year.

The work has been accomplished under a Chapter 90 project, with the city assuming 40 per cent of the total cost and the Commonwealth the remainder. The total estimated cost is \$271,000.

The drawspan of this bridge, although in need of major repairs or replacement, was purposely excluded from the work because of the strong possibility that the movable span could be replaced by a fixed span at a much lower cost, due to the fact that the volume of commercial waterborne traffic above the bridge has declined to the point where closing of the draw would be justified.

## 3. OVER CHARLES RIVER

*Charlestown Bridge:* The work of reconstructing the approach spans and drawspan of this bridge has been completed except for minor details relating to the operating system of the drawspan.

In connection with this project, which included complete removal of the steel floor systems, new concrete and steel decks, a new operating system for the drawspan and related steel repairs, etc., it was necessary to close the draw to waterborne traffic until the span was restored to full operation.

Accordingly, the drawspan was so closed on May 1, 1957, and it was intended to have the bridge operating before the end of that year.

However, because of the inherent structural and mechanical problems involved in operating this span, and the danger of seriously interrupting the elevated train service of the M.T.A. which crosses this bridge, the bridge has not yet been restored to operation.

Furthermore, the decline of waterborne traffic passing through the draw of this bridge makes it justifiable to close the span permanently to navigation except for vessels that can pass under the span.

Accordingly, a petition has been filed with the United States Engineers for permission to convert the movable span to a fixed span, thereby eliminating a source of interruption and delay to transit and highway traffic, and, in addition, making possible an annual saving of approximately \$100,000 for maintaining and operating the movable span.

#### 4. OVER CHELSEA RIVER

*Andrew P. McArdle and Chelsea Street Bridges:* Both of these bridges are fully operating and in good condition.

#### 5. OVER MYSTIC RIVER

*Malden Bridge (Alford Street):* This bridge is fully operating. The structure has been in very poor condition structurally for some years, requiring rather continuous maintenance and repairs.

Under an agreement with the Commonwealth, the Massachusetts Department of Public Works has scheduled the rebuilding of this bridge at an estimated cost of \$4,000,000, with the Commonwealth assuming the full cost; it being understood that, on completion, the bridge will revert to the City of Boston for operation and maintenance.

At the present time, the State Department has engaged a consulting firm of engineers to draw up plans and specifications for the new bridge, and it is expected that the project will be started in the latter part of 1959.

#### 6. INLAND BRIDGES

This division is concerned with the maintenance of 79 inland bridges, including 14 footbridges, as indicated in the following breakdown:

Maintained entirely by this department . . . . .	48
Maintained jointly with New Haven Railroad . . . . .	15
Maintained jointly with Boston & Albany Railroad . . . . .	10
Maintained jointly with Boston & Main Railroad . . . . .	1
Maintained jointly with M. T. A. . . . .	1
Maintained jointly with Town of Winthrop . . . . .	1
Maintained jointly with Town of Milton . . . . .	2
Maintained jointly with Town of Watertown . . . . .	1
Total . . . . .	79

With few exceptions, the inland bridges are in fair condition. Certain necessary major improvements, involving the bridges over the Boston & Albany Railroad have been deferred, as previously reported, due to the proposed extension of the Massachusetts Turnpike into Boston; which development would automatically require rebuilding most, if not all, of these bridges.

However, because of the extreme need of immediate repairs to two of the bridges over the Boston & Albany Railroad, namely the Broadway and Boylston Street bridges, contracts for renewing the decks have been awarded as described hereinafter.

#### MAJOR CONSTRUCTION WORK AND REPAIRS

*Deck Repairs to the Broadway Bridge over the Boston & Albany Railroad:* Due to the extremely defective condition of the bridge deck, a contract was entered into with John J. Botti to make the necessary repairs.

Because of very heavy vehicular traffic on normal work days, all work had to be done on week ends, when the area to be repaired was closed to traffic.

The roadways were stripped of all asphalt plank wearing surface; defective stringers and underplank renewed; and a new spruce plank wearing surface installed.

Work commenced May 10, 1958, and was completed June 3, 1958, at a cost of \$15,100.

The structural condition of this bridge is such that it was considered advisable to close the bridge to all heavy trucking. This was done on May 27, 1958.

*Deck Repairs to the Sprague Street Bridge over the New York, New Haven & Hartford Railroad:* A contract in the amount of \$12,345 was entered into with the Albert C. Graglia Company, Inc., to make repairs to the deck of this bridge.

This work consisted of replacing approximately 25 per cent of the deck planking, and laying a new wearing surface of bituminous concrete.

However, when the deck was uncovered it was found that all the underplank was defective to the extent that complete renewal was necessary, and, accordingly, the original contract was amended to cover the additional cost.

The work commenced June 23, 1958, and was completed October 10, 1958, at a cost of \$28,979.11.

*Deck Repairs to the Boylston Street Bridge over the Boston & Albany Railroad:* Bids were received August 6, 1958, for repairs to the deck of this bridge. The repairs include replacing defective stringers, renewing the entire underdeck and placing a new bituminous concrete wearing surface.

Due to the contractor's inability to obtain early deliveries of lumber, the start of this project has been tentatively postponed until early in 1959.

The contract was awarded to the Martin J. Kelly Company, Inc., in the amount of \$22,255.

#### OTHER WORK ACCOMPLISHED UNDER CONTRACT BY THE BRIDGE DIVISION DURING 1958

WORK	COST	CONTRACTOR
Resurfacing Southampton Street Bridge over the New York, New Haven & Hartford Railroad.....	\$1,238.00	John J. Botti
Deck repairs to Central Avenue Bridge over the Neponset River.....	2,936.00	John J. Botti

#### WORK FOR OTHER DEPARTMENTS

*Demolition of the Piers at North End Park.* In connection with the program of the Mayor's Waterfront Rehabilitation Committee, this office prepared plans and specifications for the subject work, and a contract for the same was awarded by the Massachusetts Department of Public Works under Chapter 91 of the General Laws, in the amount of \$20,900. The cost will be shared equally by the Commonwealth and the city.

### YARD FORCES

The maintenance force of the Bridge Service is utilized in various repair operations of both emergency and routine nature in repairs to bridge roadway decking, sidewalks, fender piers, retractile bridge tracks, stairways, railings, and pertinent facilities.

Other work consists of placing and removing barricades and traffic control signs necessary when bridge repairs involve interference with traffic; also cleaning bridge sidewalks and stairways of ice and snow.

### SUMNER TUNNEL

Under the terms of Chapter 598 of the Acts of 1958, the ownership, operation, and maintenance of the Sumner Tunnel will transfer to the Massachusetts Turnpike Authority, at such time as the Authority may determine, after the issuance of bonds to provide for the construction of a new tunnel and the acquisition of the existing tunnel.

It is expected that the actual transfer of title will take place about April, 1959.

The total traffic for the year of 1958 amounted to 11,721,627 vehicles. This is a decrease of 1,175,097 from the previous year of 1957 when 12,896,724 automobiles used the Sumner Tunnel.

The decrease in traffic is attributed to the completion of the Northeast Expressway facilities by the Massachusetts Department of Public Works, which resulted in a natural deflection of traffic from the tunnel to the Mystic River Bridge.

However, the anticipated net result of traffic volume loss for this reason is around 9 per cent, which is considerably less loss than was generally estimated.

All of the electrical and mechanical equipment used in the daily operation of the tunnel is in good condition, and under a constant maintenance schedule. Any repairs or adjustments required are made as needed.

The toll collecting equipment, including all toll registers, key boxes, and treadles, are under constant supervision, and any replacements, repairs, or adjustments are made as required.

All other buildings, structures, automotive equipment, etc., belonging to the Sumner Tunnel are in first-class condition and no immediate repairs are anticipated.

## CONTRACTS AWARDED IN 1958

*1. Gas Water Heater*

Invitation bids were sent to several plumbing contractors and awarded to the J. McCusker Company, the lowest bidder, for the amount of \$660, to replace a defective gas water heater in the basement of the Administration Building.

*2. Incline Walls and Portals*

Specifications were written and a contract awarded to the lowest bidder, F. C. Dolan & Sons, Inc., for the amount of \$5,035, to repair, point, and clean the Boston and East Boston incline walls and the granite facing on the two portals.

*3. Treadle Frames*

Specifications were written and a contract awarded to the low bidder, Rossano Construction Company, for the amount of \$1,860, to remove old treadle frames and install new frames on the Boston and East Boston plazas.

*4. Exhaust Air Duct and Fan Rooms*

Specifications were written and a contract awarded to the low bidder, F. C. Dolan & Sons, Inc., for the amount of \$2,275, to clean exhaust air duct, fresh air duct, and exhaust fan rooms.

*5. Administration Building Sidewalk*

Specifications were written and a contract awarded to the low bidder, John J. Botti Company, for the amount of \$1,430, to remove the old sidewalk around the Tunnel Administration Building, resetting old edge-stone, furnishing new edgestone and granolithic sidewalk.

*6. Cleaning Surface Drainage System*

Specifications were written and a contract awarded to the low bidder, James A. Freaney Company, for the amount of \$2,080, to clean the surface drainage system of the Sumner Tunnel.

# PUBLIC WORKS DEPARTMENT

25

## SUMMARY OF 1958 TRAFFIC BY CLASSIFICATIONS

Class	Toll	DESCRIPTION	No. of Vehicles
1.	\$0 20	Truck not in excess of 2 tons capacity.	
		Tractor without trailer . . . . .	371,387
2.	0 20	Passenger car . . . . .	11,079,669
3.	0 20	Motorcycle . . . . .	4,448
4.	0 25	Truck over 2 tons and up to 5 tons capacity.	
		Tractor with trailer over 2 tons and up to 5 tons capacity . . . . .	53,192
5.	0 20	Passenger car with trailer . . . . .	19,507
6.	0 35	Truck over 5 tons and up to 10 tons capacity.	
		Tractor with trailer over 5 tons and up to 10 tons capacity . . . . .	18,639
7.	0 20	Tractor with trailer not in excess of 2 tons capacity.	1,710
8.	1 00	Truck over 10 tons capacity . . . . .	1,506
9.	0 35	Buses . . . . .	3,407
*		Reserved lane . . . . .	168,162
<b>Total Traffic</b>			<b>11,721,627</b>

\* M. T. A. and Eastern Massachusetts Railway buses included in this classification.  
7,220 M. T. A. and 67,474 Eastern Massachusetts Railway buses at 35 cents included in this total.

## COMPARATIVE 5-YEAR SUMMARY OF OPERATION, FROM 1954 TO 1958, INCLUSIVE

	1954	1955	1956	1957	1958
<b>Vehicular Traffic:</b>					
Total number vehicles . . . . .	11,080,966	12,096,107	12,736,726	12,896,724	11,721,627
Monthly average . . . . .	923,414	1,007,842	1,061,394	1,074,727	976,802
Weekly average . . . . .	212,513	231,945	244,552	248,011	225,416
Daily average . . . . .	30,359	33,135	34,800	35,333	32,114
<b>Power Consumption:</b>					
Total kilowatts . . . . .	4,527,315	5,236,214	5,614,061	6,079,026	5,781,067
<b>Financial Results:</b>					
Operating expenditure . . . . .	\$595,127 .07	\$628,706 .30	\$619,869 .99	\$674,924 .42	\$664,287 .92
Balance to next year . . . . .	3,925 .18	6,188 .73	28,924 .02	374 .00	932 .06
Interest requirements . . . . .	740,213 .05	760,100 .00	743,991 .37	748,762 .50	755,646 .25
Refunded tolls . . . . .	122 .85	98 .60	—	1 .80	2 .00
Total Expenses . . . . .	\$1,339,388 .15	\$1,395,093 .63	\$1,422,785 .38	\$1,424,062 .72	\$1,420,868 .23
Receipts . . . . .	\$2,224,195 .00	\$2,413,231 .59	\$2,550,125 .00	\$2,589,725 .00	\$2,344,845 .00
Balance from previous year	16,591 .87	3,925 .18	6,188 .73	28,924 .02	374 .00
Total Receipts . . . . .	\$2,240,786 .87	\$2,417,156 .77	\$2,556,313 .73	\$2,618,649 .02	\$2,345,219 .00
Net Result . . . . .	\$901,398 .72 (Excess)	\$1,022,063 .14 (Excess)	\$1,133,528 .35 (Excess)	\$1,194,586 .30 (Excess)	\$924,350 .77 (Excess)

## APPENDIX C

REPORT OF THE DIVISION ENGINEER OF  
THE HIGHWAY DIVISION

BOSTON, January 2, 1959.

*To the Commissioner of Public Works.*

DEAR SIR:

The following report of the income, expenditures, and operation of the Highway Division of the Public Works Department is hereby submitted for the year ending December 31, 1958.

Respectfully submitted,

RUTHFORD J. KELLEY,  
*Division Engineer, Highway Division.*

## HIGHWAY DIVISION

## PAVING SERVICE

## SUMMARY OF BUDGET APPROPRIATIONS

APPROPRIATION	Total Credits	Expenditures	Balance Unexpended
Paving Service.....	\$1,629,197 .50	\$1,565,946 .61	\$63,250 .89
Reconstruction of Streets.....	49,502 .88	40,494 .70	9,008 .18
Public Ways, Construction of (Revenue)....	74,190 .92	68,556 .58	5,634 .34
Public Ways, Construction of (Non-Revenue)	3,754,654 .34	1,939,202 .89	1,815,451 .45
Sidewalks, Construction and Reconstruction of	190,504 .71	142,446 .68	48,058 .63
Street Signs....	11,022 .93	10,472 .66	550 .27
Snow Removal.....	840,202 .36	782,531 .23	57,671 .13
Chapter 718 -- Acts of 1956.....	795,741 .23	608,400 .12	187,341 .11

In the Permit Office, the permits issued and monies received for 1958 are as follows:

## PER WITS ISSUED

Signs .....	8,326
Occupation permits .....	6,369
Sidewalk licenses .....	314
Driveway applications .....	287
Special permits .....	275
Department permits (free) .....	902
Street opening permits .....	476
 Total permits .....	 16,949

## CASH RECEIVED

Occupation permits . . . . .	\$62,416	85
Signs . . . . .	88,077	52
Sidewalk licenses . . . . .	22,029	75
Plans and miscellaneous . . . . .	0	70
Driveway applications . . . . .	574	00
Notifications . . . . .	50	00
Rents . . . . .	10,467	00
 Total income less street openings . . . . .	\$183,615	82
Street openings . . . . .	79,646	06
 Total income . . . . .	\$263,261	88

The regular forces of the Paving Service were employed as usual in the maintenance of public streets, resurfacing and patching macadam pavements, patching permanent pavements, such as asphalt and granite block, and maintaining gravel, brick, and artificial stone sidewalks.

In the snow removal season, division forces were employed in spreading rock salt and sand on icy streets and also supervised plowing work throughout the city by 250 contractors' hired plows after snowstorms. All snow removal bills for plowing, hauling, force account work, cubic yard removal, etc., were processed through the Paving Service office.

The following work was done in placing new street signs and replacing and repairing existing street signs:

Erected 176 4-inch street signposts.

Erected 9 new hero square signs for dedication.

Erected 1 new directional sign.

Replaced 332 hero square signs.

Installed 682 baked enamel street signs.

Installed 160 hand-painted metal street signs.

Removed 258 old hand-painted signs, damaged baked enamel signs, and obliterated signs.

Repaired and straightened 172 bent or broken street signposts (4-inch type).

Repaired, in blacksmith shop, 212 broken street sign frames and welded 36 4-inch street sign-posts.

Repaired 351 street sign frames, collars, and brackets on 4-inch street signposts and light poles on locations.

Removed 257 pieces of rope, wire, old tires from street signs on 4-inch posts and light poles.

Installed 667 street sign frames.

Installed 291 street sign collars on 4-inch street signposts and light poles.

Installed 68 pairs of adapters on wooden poles.

Installed 209 4-inch acorns on 4-inch street signposts.

Installed 61 "Private Way" signs on 4-inch street signposts and light poles.

Removed 45 "Private Way" signs from 4-inch street signposts and light poles because public ways were made.

Painted 526 4-inch street signposts.

Painted 712 street frames.

Painted 248 4-inch acorns on 4-inch street signposts.

Painted 607 street sign collars on street signposts and light poles.

Washed and cleaned 241 street sign name plates.

Painted 255 blanks for temporary name plates.

There were 151 streets constructed or reconstructed during the year.

Some of the more important thoroughfares on which reconstruction work was completed in 1958 are as follows:

Lexington street, from Shelby street to Meridian street (including Lexington square).

Maverick street, from Orleans street to Jeffries street.

Porter street, from Bremen street approximately 100 feet south of Orleans street.

Putnam street, from Bennington street to Bremen street.

Saratoga street, from north side of bridge over M.T.A. to south side of bridge over M.T.A.

West Eagle street, from Meridian street to Border street.

Taylor street (sidewalks), Dwight street to Milford street.

Chatham street (sidewalks), from Commercial street to Merchants Row.

Summer street (sidewalks—easterly side), from Devonshire street to approximately 70 feet southerly and (northerly side), from 114 Summer street to High street.

Westland avenue, from Massachusetts avenue to Hemenway street.

River street, from Mt. Vernon street to Beacon street.

Columbus avenue at Berkeley street, southeast and southwest corners.

East Broadway, from Dorchester street to L street and from L street to M street.

Grimes street, from West Seventh street to West Eighth street.

St. Margaret street, from Boston street to Roseclair street.

Columbia road, from Old Colony avenue to Old Harbor street.

East Seventh street, from H street to N street.

East Sixth street, from G street to H street.

East Dedham street, from Harrison avenue to Albany street.

East Newton street, from Washington street to Albany street.

Roxbury street, from Columbus avenue to John Eliot square.

Williams street, from Washington street to Westminster street.

Columbus avenue, from Massachusetts avenue to Northampton street and (Roxbury Crossing) approximately 200 feet east of Texas street to approximately 100 feet west of Roxbury street, and from Washington street to Walnut avenue.

Weld Hill street, from Hyde Park avenue to dead end.

Georgia street (sidewalks), from Blue Hill avenue to Elm Hill avenue.

Grampian Way (sidewalks), from Evandale terrace to Savin Hill avenue.

Grant street (sidewalks), from Crescent avenue to Harbor View street.

Bayside street, from Savin Hill avenue to McConnell park.

Bicknell street, from Harvard street to Bradshaw street.

Blue Hill avenue, from Woodhaven street to Columbine street.

Olney street, from Geneva avenue to Rosseter street.

Clarkson street (sidewalks), from Hendry street to Barry street.

Adams street (sidewalks), from Ashmont street to Gallivan Boulevard.

Ashmont street (sidewalks), from Adams street to Burgoyne street.

Boutwell street (sidewalks), from Neponset avenue to Train street.

Bushnell street, from Ashmont street to Weyanoke street.

Brookvale street, from Dorchester avenue to Hutchinson street.

Rosselerin road, from Train street to Daly street.

North Munroe terrace, from Train street to Neponset avenue.

Washington street, from Mora street to Talbot avenue.

Dakota street, from Washington street to Geneva avenue.

Valley road, from Dorchester avenue to Washington street.

Welles avenue, from Washington street to Talbot avenue.

O'Connell road, from Washington street to Valley road.

Messinger street, from Orlando street to Savannah avenue.

Savannah avenue, from approximately 166 feet northeast of Newcastle street to Messinger street and Messinger street to approximately 124 feet northeasterly.

Metropolitan avenue, from Greenwood square to River street.

Augustus avenue, from Poplar street to Metropolitan avenue.

Cornell street, from Washington street to Poplar street.

River street, from westerly line of Wood avenue to approximately 235 feet east of Marcy road.

Mariposa street, from Wood avenue to Blake street.

Reddy avenue, from River street to the playground.

Weybosset street, from Greenfield road to Mariposa street.

Edgewater Drive, from approximately 135 feet south of River street to approximately 650 feet south of River street.

Colgate road, from Washington street to railroad.

Firth road, from Washington street to Florence street.

Florence street, from Firth road to Blakemore street.

Weld Hill street, from Hyde Park avenue to dead end.

Glenhaven road, from Centre street to Joyee Kilmer road.

Furbush road, from La Grange street to approximately 102 feet northerly.

Newfield street, from Veterans of Foreign Wars Parkway to Furbush road.

Elgin street, from Centre street to New York, New Haven & Hartford Railroad.

Hastings street, from Centre street to Corey street.

Lorette street, from Centre street to Hillcrest street.

Perham street, from Vermont street to New York, New Haven & Hartford Railroad.

Penfield street, from Birch street to Belgrade avenue.

Rexhame street, from Belgrade avenue to Colberg avenue.

Leland road, from Hackensack road to approximately 631 feet southeasterly.

Allston street, from Commonwealth avenue to Washington street.

Rushmore street, from Academy Hill road to approximately 420 feet northwesterly.

Tremont street, from 600 feet northeast of Tip Top street to about Newton line.

Hooker street, from North Harvard street to Royal street.

Kenrick street, from Lake street to approximately 225 feet west of Brayton road.

North Harvard street, from Western avenue to Soldiers Field road.

The following is a list of streets constructed and reconstructed and sidewalk work done by contract in the various wards of the city in 1958.

Ward 1 — East Eagle street, Lexington street, Maverick street, Porter street, Putnam street, Saratoga street, West Eagle street, Beachview road, Border street, Everett street, Maverick street, Sumner street.

Ward 2 — Hill street.

Ward 3 — Taylor street (sidewalks), Billerica street (sidewalks), Cotting street (sidewalks), Congress street (sidewalks), Dorchester avenue (sidewalks), Arch street (sidewalks), Batterymarch street (sidewalks), Chatham street (sidewalks), Devonshire street (sidewalks), Federal street (sidewalks), High street (sidewalks), Milk street (sidewalks), Pearl street (sidewalks), State street (sidewalks), Summer street (sidewalks), Washington street (sidewalks), Atlantic avenue (sidewalks), Columbus avenue (sidewalks), Franklin street (sidewalks), Hull street (sidewalks), Oliver street (sidewalks), Salem street (sidewalks), Tremont street (sidewalks), Washington street (sidewalks), Well street (sidewalks), Court square (sidewalks), Commercial street (sidewalks), South Market street (sidewalks). Castle street, High street.

Ward 4 — Westland avenue, Trinity place.

Ward 5 — River street, Ipswich street, Columbus avenue.

Ward 6 — N street (sidewalks), Cutler court, Lovis street, East Broadway, Beckler avenue, G street, Grimes street, K street, P street.

Ward 7 — Liberty place, St. Margaret street, Columbia road, East Seventh street, East Sixth street, Frederick street, G street, Covington street.

Ward 8 — East Dedham street, East Newton street, Mall street, Taber street, Thorndike street, Zeigler street, Harrison avenue, Topeka street.

Ward 9 — Roxbury street, Guild Row, Williams street, Columbus avenue.

Ward 10 — Parker Hill terrace, Alleghany street.

Ward 11 — Roxbury street, Weld Hill street.

Ward 12 — Alaska street (sidewalks), Georgia street (sidewalks), Elm Hill avenue.

Ward 13 — Grampian Way (sidewalks), Grant street (sidewalks), Bayside street, Hancock street.

Ward 14 — Bicknell street, Blue Hill avenue, Olney street.

Ward 15 — Levant street, Tebroc street, Topliff street, Barry street (sidewalks), Clarkson street (sidewalks), Richfield street (sidewalks), Stanley street (sidewalks), Bowdoin street, Dakota street, Duncan street, Cassnet street, Hancock street.

Ward 16 — Adams street (sidewalks), Ashmont street (sidewalks), Boutwell street (sidewalks), Glide street (sidewalks), Beal street, Ericsson street, Taylor street, Bushnell street, Coffey street, Adams street, Brookvale street, North Munroe terrace, Ainsley street, Neponset avenue, Redfield street, South Munroe terrace, Rosselerin road.

Ward 17—Moultrie street, Washington street, Adams street, Dakota street, Richmond street, Valley road, Welles avenue, O'Connell road.

Ward 18—Maple street, Oak street, Briarcliff terrace (sidewalks), Cragmere terrace (sidewalks), Gladeside avenue (sidewalks), Linvale terrace (sidewalks), Mamelon Circle (sidewalks), Newcroft Circle (sidewalks), Ridgeview avenue (sidewalks), Donwood terrace (sidewalks), Leahaven road (sidewalks), Burley street, Favre street, Messinger street (B-O), Rainier road, Orlando street, Asheville road, Claron street, Grandview street, Hautevale street, June street, Denton terrace, Malverna road, Rawston road, Messinger street (O-S), Savannah avenue, Farwell avenue, Hebron street, Rosemont street, Metropolitan avenue, Augustus avenue, Cornell street, Kittredge street, Reservation road, River street, Mariposa street, Reddy avenue, Weybosset street, Edgewater Drive.

Ward 19—Larch place, Colgate road, Firth road, Florence street, Mahler road, Weld Hill street, Brewer street, Hagar street, Centre street, Washington street.

Ward 20—Brook Farm road, Homewood road, Glenhaven road, Jacqueline road (sidewalks), Robken road, Selwyn Street Extension, Furbush road, Newfield street, La Grange street, Graham terrace, Buchanan road, Corey street, Elgin street, Hastings street, Hillcrest street, La Grange street, Lorette street, Perham street, South street, Weymouth avenue, Penfield street, Rexhame street, Leland road, Wren street, Ascent street, Capital street.

Ward 21—Commonwealth avenue, Allston street, Highgate street, Naples road, Nevins street, Selkirk road.

Ward 22—Rushmore street, Margo road, Tremont street, Holton street, Hooker street, Kenrick street, Larch street, North Harvard street, Wirt street, Brayton road.

#### WORK DONE BY CONTRACT IN 1958

ITEM	QUANTITY
Earth and services excavation . . . . .	36,340 cubic yards
Rock and wall excavation . . . . .	2,029 cubic yards
Bank gravel . . . . .	45,598 tons
Crushed stone for edgestone . . . . .	1,551 tons
Existing base removed . . . . .	8,067 square yards
Existing pavement removed . . . . .	29,148 square yards
New straight edgestone . . . . .	16,180 lineal feet
New circular edgestone . . . . .	2,587 lineal feet
New corners (2-foot-0-inch radius) . . . . .	931 each
Existing edgestone reset or relocated . . . . .	55,616 lineal feet
Existing edgestone hauled to yard . . . . .	6,813 lineal feet
Crushed stone for macadam base . . . . .	13,096 tons
OA asphalt . . . . .	126,663 gallons
Portland cement concrete base . . . . .	2,128 cubic yards

Portland cement concrete for backing up sidewalks . . . . .	13 cubic yards
Bituminous concrete base, roadway . . . . .	31,847 tons
Bituminous concrete top, roadway . . . . .	24,407 tons
Bituminous concrete base, sidewalk . . . . .	2,059 tons
Bituminous concrete top, sidewalk . . . . .	1,719 tons
Sheet asphalt top . . . . .	1,621 tons
Artificial stone sidewalks . . . . .	827,564 square feet
Artificial stone driveways . . . . .	89,273 square feet
Loam spaces . . . . .	2,406 square yards
Loam back of sidewalks . . . . .	595 cubic yards
Covers reset . . . . .	2,725 each
Catch basins and manholes rebuilt . . . . .	55 each
Catch basins and drop inlets built . . . . .	45 each
Street signposts set or reset . . . . .	292 each
Parking meters reset . . . . .	111 each
Stone bounds . . . . .	100 each

**TOTAL AREAS**

Bituminous concrete pavement . . . . .	336,584 square yards
Sheet asphalt pavement . . . . .	11,602 square yards

**YEARLY REPORT OF WORK DONE BY DEPARTMENT  
FORCES FOR 1958**

Brick sidewalks, laid and relaid . . . . .	5,943 square yards
Gravel sidewalks, relaid . . . . .	8,239 square yards
Artificial stone sidewalks, laid (new) . . . . .	19,020 square feet
Artificial stone sidewalks, relaid (old) . . . . .	146,741 square feet
Bituminous concrete sidewalks . . . . .	13,784 square yards
Artificial stone sidewalks, patched with black top . . . . .	6,451 square feet
Edgestone reset (old) . . . . .	1,931 lineal feet
Macadam roadway, patched . . . . .	83,894 square yards
Macadam roadway, resurfaced . . . . .	1,776 square yards
Asphalt or bituminous concrete road- way, patched . . . . .	97,963 square yards
Asphalt or bituminous concrete road- way, resurfaced . . . . .	3,560 square yards
Street cleaning . . . . .	4,236 cubic yards
Snow removal . . . . .	74,379 cubic yards

**PAVING SERVICE, 1958**

Street cleaning . . . . .	\$16,246 76
General highway expenditures . . . . .	667,623 24
Sidewalk and curbing . . . . .	229,605 66
Snow and ice removed . . . . .	69,910 40
Street signs . . . . .	29,055 15
	<hr/>
	\$1,012,441 21

TABLE SHOWING LENGTH AND AREA OF PAVING ON ACCEPTED STREETS, CORRECTED TO JANUARY 1, 1959

	LENGTH IN MILES.											AREA IN SQUARE YARDS.										
	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1957 Report . . . . .	224.66	361.66	24.09	0.15	0.35	0.22	18.31	111.79	5.65	0.78	747.66	4,526,640	7,120,795	532,492	2,140	9,244	5,778	383,999	1,794,446	92,565	26,927	14,495,026
Per Cent. . . . .	30.05	48.37	3.22	0.02	0.05	0.03	2.45	14.95	0.76	0.10	100.00	31.23	49.13	3.68	0.01	0.06	0.04	2.65	12.37	0.64	0.19	100.00
<b>JANUARY 1, 1959.</b>																						
City Proper. . . . .	48.82	32.70	7.91	0.06	0.09	0.17	2.87	2.35	0.39	95.36	1,092,121	743,531	157,302	278	3,258	3,069	93,601	35,038	7,023	.....	2,135,221	
Charlestown . . . . .	4.31	7.59	4.72	0.06	0.02	..	0.74	5.22	0.03	0.01	22.70	84,464	206,362	105,674	1,503	1,098	..	13,395	71,866	407	41	484,810
East Boston . . . . .	2.88	25.08	2.33	..	0.02	..	1.39	6.73	0.10	0.04	38.57	61,241	565,511	48,427	..	317	..	47,177	150,794	1,982	812	876,261
South Boston . . . . .	11.28	22.23	4.85	..	0.03	..	0.32	5.00	0.15	0.50	44.36	238,724	469,990	129,739	..	892	1,055	18,780	79,331	1,381	15,754	955,646
Roxbury . . . . .	39.85	38.07	2.31	..	..	0.02	4.13	10.61	0.42	0.00	95.41	818,079	715,285	29,341	..	..	1,183	63,519	151,810	7,307	27	1,786,551
West Roxbury . . . . .	32.60	100.19	0.02	..	0.04	..	1.97	22.39	1.45	0.00	158.66	575,292	1,852,819	997	..	983	..	28,148	362,845	23,362	4,000	2,848,446
Dorchester . . . . .	52.91	87.03	0.48	0.03	0.04	0.01	5.12	30.87	1.57	0.02	178.08	1,000,050	1,638,836	10,157	338	985	145	82,300	473,553	25,990	1,737	3,234,111
Brighton . . . . .	19.99	35.38	0.29	..	0.08	..	0.78	9.08	0.23	..	65.83	423,834	718,336	15,949	..	1,231	..	19,201	147,159	3,417	.50	1,329,180
Hyde Park . . . . .	7.84	31.17	0.00	..	0.02	..	0.24	11.72	3.71	0.20	54.90	134,296	591,515	47	..	304	..	3,892	187,603	59,938	4,506	982,101
Total . . . . .	220.48	379.44	22.91	0.15	0.34	0.20	17.56	103.97	8.05	0.77	753.87	4,428,101	7,502,205	497,633	2,119	9,068	5,452	370,016	1,659,999	130,807	26,927	14,632,327
Per Cent . . . . .	29.25	50.33	3.04	0.02	0.04	0.03	2.33	13.79	1.07	0.10	100.00	30.26	51.27	3.40	0.02	0.06	0.04	2.53	11.35	0.89	0.18	100.00

**TOTAL PUBLIC STREETS 753.87 MILES.**

NOTE.—In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline included in City Proper.

‡ Of this amount 0.02 miles or 185 square yards is cobble; and 12.13 miles or 330,112 square yards in granite block paving on concrete base.

§ Of this amount 0.06 miles or 435 square yards is Blorne granitoid concrete block.

|| Of this amount 91.67 miles or 1,476,692 square yards is bituminous macadam.

† Of this amount 57.29 miles or 1,079,640 square yards is bitulithic; and 2.03 miles or 32,884 square yards is Topeka; and 0.06 miles or 920 square yards is Filbertine; and 0.03 miles or 595 square yards is Cary-Elastite Asphalt Plank; and 0.06 miles or 518 square yards is Johns-Manville Asphalt Plank; and 0.09 miles or 2,224 square yards is Asphalt Block.

6.62 miles or 36,614 square yards public alleys included in this table; 1.89 miles or 61,141 square yards public streets in charge of Park Department included in this table; 15.90 miles or 551,363 square yards public streets in charge of Commonwealth of Massachusetts included in this table. In addition to this table there are 2.45 miles or 11,845 square yards of accepted footways.



**HIGHWAY DIVISION****LIGHTING SERVICE****FINANCIAL STATEMENT**

Total Credits for 1958 . . . . .	\$1,723,619 04
Total Expenditures for 1958 . . . . .	1,713,302 24

*Individual Expenditures*

## Street and Park Lighting (Electric):

Boston Edison Company . . . . .	\$1,525,710 05
Boston Gas Company (Charles- town District) . . . . .	69,929 36
Boston Edison Company (foot- ways) . . . . .	3,952 70
Boston Gas Company (Charles- town footways) . . . . .	623 94
Boston Edison Company (sub- stations) . . . . .	17,034 35
Boston Gas Company (sub- station) . . . . .	4,782 03
	<hr/>
	\$1,622,032 43

## Street Lighting (Gas):

Boston Gas Company . . . . .	\$6,174 44	6,174 44
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## Police Spotlights:

Boston Edison Company . . . . .	\$2,240 41
Boston Gas Company (Charles- town) . . . . .	39 78
	<hr/>
	2,280 19

## Construction and Maintenance:

Installation, removal, relocation and modernization:	
Installation of spotlight poles and services . . . . .	\$7,378 61
Boston Edison Company . . . . .	6,771 44
Boston Gas Company . . . . .	8,587 43
James Scimone (gas post re- moval) . . . . .	6,525 00
	<hr/>
	29,262 48

## Salaries:

Administrative, engineering and maintenance personnel . . . . .	\$40,201 35	40,201 35
Office supplies . . . . .	\$328 23	328 23

## Maintenance Supplies:

Replacement parts and fixtures			
for electric and gas lamps	. . . .	\$7,345 65	
Spotlight poles	. . . .	3,027 67	
		—————	\$10,373 32
Advertising	. . . .	\$83 00	83 00
Travel expenses	. . . .	\$237 10	237 10
Rental	. . . .	\$2,040 00	2,040 00
Office equipment	. . . .	\$289 70	289 70

## MERCURY VAPOR LIGHTING PROJECTS

In 1958 orders were issued on the following listed streets, main thoroughfares, and business areas for relighting with modern mercury vapor lighting:

		Units	Lumens Each
Amory street, Roxbury	. . . .	1 single	15,000
Avenue Louis Pasteur, Roxbury	. . . .	2 single	20,000
Blue Hill avenue, Dorchester	. . . .	1 single	20,000
Blue Hill avenue, Dorchester	. . . .	2 twin	20,000
Boston street, Dorchester	. . . .	5 single	20,000
Columbia road, Dorchester	. . . .	5 single	15,000
Columbia road, Dorchester	. . . .	1 twin	15,000
Columbus avenue, Roxbury	. . . .	3 single	15,000
Columbus avenue, Roxbury	. . . .	28 twin	15,000
Dorchester avenue, Dorchester	. . . .	3 single	15,000
Dudley street, Roxbury	. . . .	42 single	15,000
Dorchester avenue, South Boston	. . . .	39 single	15,000
Eustis street, Roxbury	. . . .	2 single	15,000
Franklin street, Boston	. . . .	6 single	20,000
Hampden street, Roxbury	. . . .	17 single	15,000
Hanover street, Boston	. . . .	18 single	20,000
Hancock street, Dorchester	. . . .	3 twin	20,000
Longwood avenue, Roxbury	. . . .	15 single	20,000
Massachusetts avenue, Roxbury	. . . .	21 single	20,000
Mall street, Roxbury	. . . .	1 single	10,000
Northern avenue, Boston	. . . .	3 single	15,000
Northern avenue, Boston	. . . .	7 single	20,000
Northampton street, Boston	. . . .	22 single	20,000
Oliver street, Boston	. . . .	4 single	20,000
River street, Hyde Park	. . . .	40 single	15,000
Sumner street, East Boston	. . . .	16 single	20,000
Seaver street, Roxbury	. . . .	4 single	15,000
Seaver street, Roxbury	. . . .	28 twin	15,000
Summer street, South Boston	. . . .	1 single	15,000
Summer street, South Boston	. . . .	1 twin	15,000
South street, West Roxbury	. . . .	17 single	15,000
Savin Hill avenue, Dorchester	. . . .	3 single	20,000

Stoughton street, Dorchester . . . .	11 single	15,000
Tremont street, Boston . . . .	8 single	20,000
Tremont street, Boston . . . .	9 twin	20,000
Union park, Boston . . . .	4 single	10,000
Washington street, Boston . . . .	1 single	20,000
Webster street, East Boston . . . .	1 single	10,000
Washington street, Roxbury and West Roxbury . . . .	56 single	15,000
Washington street, Brighton . . . .	25 single	20,000
Washington street North, Boston . . . .	1 single	15,000
Westland avenue, Boston . . . .	7 single	15,000

## INCANDESCENT LIGHTING PROJECTS

In 1958 orders were issued for the installation of new and the replacement of old lighting units as follows:

	Units	Lumens Each
Bellevue street, Dorchester . . . .	8 single	2,500
Bellevue street, Dorchester . . . .	4 single	4,000
Carson street, Dorchester . . . .	5 single	2,500
Compton street, Boston . . . .	8 single	6,000
Chelsea street, East Boston . . . .	8 single	6,000
Everett street, East Boston . . . .	10 single	4,000
Emerald street, Boston . . . .	7 single	6,000
East Newton street, Boston . . . .	9 single	6,000
Eustis street, Roxbury . . . .	7 single	6,000
Fulda street, Roxbury . . . .	6 single	2,500
Greenfield road, Dorchester . . . .	8 single	2,500
Garvey Playground, Dorchester . . . .	10 single	6,000
Garvey Playground, Dorchester . . . .	3 twin	6,000
Hallet street, Dorchester . . . .	5 single	2,500
Harbor View street, Dorchester . . . .	6 single	2,500
Linden Park street, Roxbury . . . .	8 single	4,000
Lucas street, Boston . . . .	5 single	2,500
Lucas street, Boston . . . .	2 single	6,000
Leonard street, Dorchester . . . .	7 single	4,000
Mendum street, West Roxbury . . . .	5 single	2,500
Middlesex street, Boston . . . .	6 single	6,000
Maverick street, East Boston . . . .	6 single	6,000
Munroe street, Roxbury . . . .	4 single	2,500
Munroe street, Roxbury . . . .	6 single	4,000
Poplar street, West Roxbury . . . .	15 single	4,000
Pleasant street, Hyde Park . . . .	5 single	2,500
Stanley street, Dorchester . . . .	7 single	2,500
St. Thomas More road, Brighton . . . .	5 single	2,500
St. Thomas More road, Brighton . . . .	2 single	6,000
Service road, South Boston . . . .	14 single	2,500
Southampton street, South Boston . . . .	9 single	6,000
Veterans of Foreign Wars Parkway . . . .	17 single	6,000

Williams street, Roxbury . . . . .	6 single	4,000
Williams street, West Roxbury . . . . .	6 single	2,500
Walk Hill street, Dorchester and Hyde Park . . . . .	32 single	4,000
Walk Hill street, Dorchester and Hyde Park . . . . .	16 single	6,000
Waverly street, Roxbury . . . . .	8 single	4,000
Webster street, East Boston . . . . .	2 single	2,500
Webster street, East Boston . . . . .	9 single	4,000
Webster street, East Boston . . . . .	2 single	6,000
West Eagle street, East Boston . . . . .	5 single	4,000
West Concord street, Boston . . . . .	7 single	6,000
Warren avenue, Boston . . . . .	11 single	6,000

#### INCANDESCENT LAMPS

During 1958 incandescent lamps of 6,000 lumens each were installed on the following streets:

Ashford street, Brighton (1); Albion street, Boston (4); Claybourne street, Dorchester (1); Doane street, Boston (2); East Eagle street, East Boston (2); Fenno street, Roxbury (1); Hawkins street, Boston (3); Lehigh street, Boston (1); Putnam street, East Boston (1); Porter street, East Boston (1); Savin Hill avenue, Dorchester (2); Trull street, Dorchester (1); Thorndike street, Roxbury (4); Thane street, Dorchester (1); Village street, Boston (4); West Seventh street, South Boston (1).

Incandescent lamps of 4,000 lumens each were installed on the following streets:

Ashford street, Brighton (1); Breed street, East Boston (1); Central avenue, Hyde Park, (1); Cedar square, West Roxbury (1); Cedar Grove street, Dorchester (1); Chiswick road, Brighton (1); Eutaw street, East Boston (3); Fenno street, Roxbury (1); F street, South Boston (2); Harold street, Roxbury (1); Hallet street, Dorchester (2); Lamson street, East Boston (1); Metropolitan avenue, West Roxbury (3); Mall street, Roxbury (4); P street, South Boston (4); Prescott street, Roxbury (2); Simmons street, Roxbury (3); St. Richard street, Roxbury (1); Seaver street, East Boston (2); Trull street, Dorchester (4); Taber street, Roxbury (1); Trenton street, East Boston (3); Telegraph street, South Boston (3); Vining street, Roxbury (1); West Seventh street, South Boston (1).

Orders were issued by the Lighting Service for the installation of lighting units of 2,500 lumens each as follows:

Avon street, Boston (3); Allston street, Brighton (1); Alleghany street, Roxbury (1); Allen street, Hyde Park (1);

Beech street, West Roxbury (2); Byron street, East Boston (3); Cedar Grove street, Dorchester (3); Calumet street, Roxbury (3); Corman road, West Roxbury (1); Canterbury street, West Roxbury (1); Caddy road, Dorchester (2); Dever street, Dorchester (1); Dow road, West Roxbury (3); Emmet place, East Boston (1); Everett court, East Boston (1); Everett place, East Boston (1); Elbow street, East Boston (1); Emmondsdale street, West Roxbury (1); East Seventh street, South Boston (3); East Eagle street, East Boston (1); Ferncroft road, West Roxbury (2); Fairland street, Roxbury (2); Grant street, Dorchester (4); Greaton road, West Roxbury (1); Green street, Charlestown (1); Glenburnie road, West Roxbury (3); Goethe street, West Roxbury (4); Glendon street, East Boston (3); H street, South Boston (1); Hoyt street, Dorchester (2); Itasca street, Dorchester (1); Kane street, Dorchester (1); Kiernan road, West Roxbury (1); K street, South Boston (1); Kingsbury street, Roxbury (1); King street, Dorchester (3); Lodgehill road, Hyde Park (1); Lorna road, Dorchester (1); Levant street, Dorchester (4); Montello street, Dorchester (1); Milton avenue, Dorchester (1); Milton street, Dorchester (1); Maitland street, Boston (1); Mansur street, West Roxbury (3); Moore street, East Boston (1); Newport street, Dorchester (3); Putnam street, East Boston (1); Plymouth court, Roxbury (1); Partridge street, West Roxbury (1); Pierce street, Hyde Park (1); Quint avenue, Brighton (2); Raven street, Dorchester (1); Russell street, Charlestown (2); Rossmore road, Jamaica Plain (4); Rosemont street, Hyde Park (4); Sherbrook street, West Roxbury (1); Savin Hill avenue, Dorchester (2); Sachem street, Roxbury (2); Southbourne road, Jamaica Plain (1); Simmons street, Roxbury (1); Savannah avenue, Dorchester (1); Shawsheen street, East Boston (2); Trask street, Boston (2); Temple street, West Roxbury (1); Train street, Dorchester (1); Tilton street, Roxbury (2); Thatcher street, Hyde Park (4); Wigglesworth street, Boston (3); Westminster street, Hyde Park (4); Washburn street, South Boston (2); Wirt street, Brighton (1); Woodman street, Jamaica Plain (1); Westville street, Dorchester (1); Weld Hill street, West Roxbury (3); Williams street, Jamaica Plain (1).

Orders were issued by the Lighting Service during 1958 for the installation of 1,000-lumen lamps as follows:

Aliano road, West Roxbury (1); Altacrest road, Jamaica Plain (1); Alna place, East Boston (1); Bremen street, East Boston (1); Burrwood road, West Roxbury (1); Claxton street, West Roxbury (1); Courtney road, West Roxbury (1); Clarence street, Roxbury (1); De Soto road, West Roxbury (1); Freeman avenue, West Roxbury (1); Fox street, Dor-

chester (2); Gordon avenue, Hyde Park (3); Gordon avenue, Hyde Park (1); High street, Dorchester (1); Hallet-Davis street, Dorchester (1); Hebron street, Dorchester (2); Kenrick street, Brighton (1); Maria Lane, West Roxbury (3); Monument court, Charlestown (1); North Mead court, Charlestown (1); Riley road, Hyde Park (2); South Munroe terrace, Dorchester (1); Savin Hill Lane, Dorchester (1); School street, Brighton (1); Stella road, West Roxbury (2); Tuttle street, Dorchester (1); Vincent road, West Roxbury (1).

#### GAS LIGHT REPLACEMENT PROGRAM

During the year of 1958 approximately 376 obsolete gas lamps were replaced with approximately 385 modern electric luminaires of 2,500 lumens. These new lamps, in most instances, are installed on long arms to diminish interference with trees and to eliminate glare from homes on residential streets.

#### MAINTENANCE OF POLICE SPOTLIGHTS

The maintenance of the police spotlights continued for the year 1958. During the year there were ten additional spotlights installed in locations approved by the Police Department. Many other locations have received the approval of the Police Department and await only favorable weather to commence installation.

## APPENDIX D

REPORT OF THE DIVISION ENGINEER OF  
THE SANITARY DIVISION.

BOSTON, January 2, 1959.

*To the Commissioner of Public Works:*

DEAR SIR:

I submit herewith a statement of the activities of the Sanitary Division of the Public Works Department for the year ending December 31, 1958:

#### REFUSE COLLECTION AND DISPOSAL

Contracts were awarded in all seventeen of the refuse collection contract districts in March to eleven contractors. All were for a period of one year with the exception of the contract for the Hyde Park district, which was awarded to Dooley Brothers, Inc., for a two-year period. The one-year contract for the West Roxbury district, awarded to Marinucci Brothers & Co., Inc., contained a renewal option for a second year at the same terms, if the city so elects.

A disposal contract for the so-called ten-year contract area was awarded to the M. DeMatteo Construction Company for conducting the disposal operations at Spectacle Island and the Calf Pasture for the same price as the aforesaid company had in the previous year for the Spectacle Island operation only.

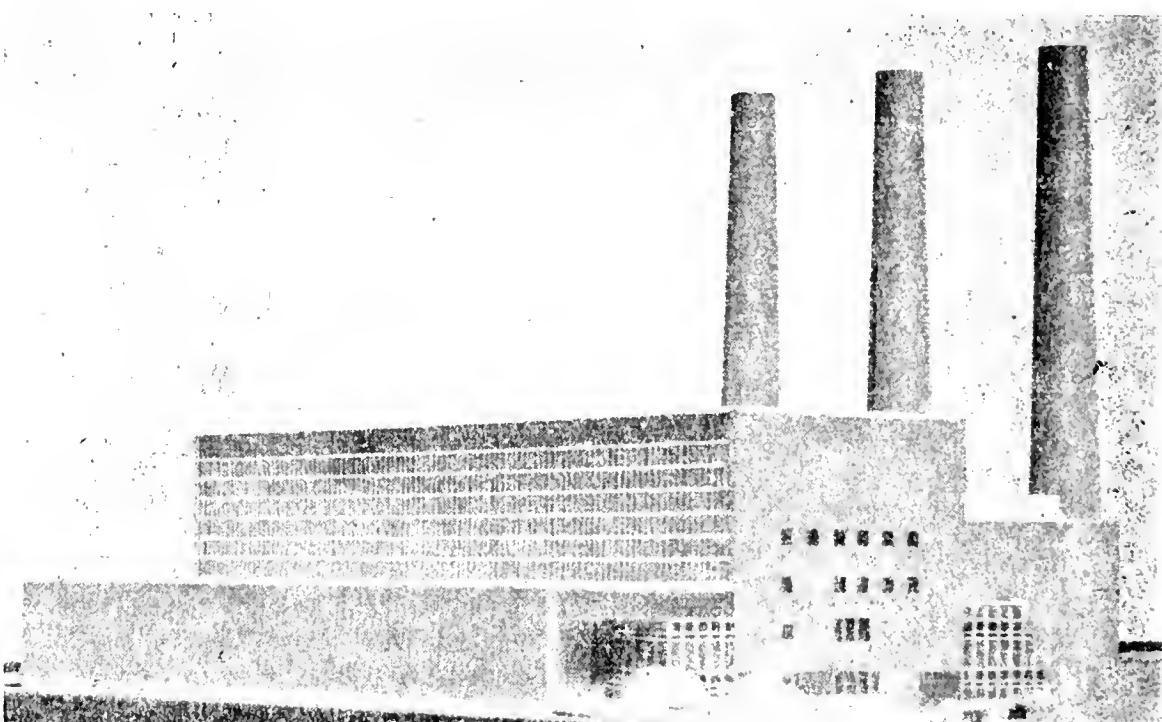
The total cost of refuse collection and disposal for 1958 was approximately \$2,580,000. This is \$10,000 less than the cost for the same services in 1957, and this was accomplished in spite of a 15-cent per hour wage increase to the labor force engaged for this work.

Other disposal facilities have been maintained during the year by: —

- (a) A renewal of the Daggett contract for disposal of the East Boston refuse at the Saugus Dump.
- (b) Continued sale of garbage delivered at the Victory Road Receiving Station to a hog farmer, providing an income of \$4,615 for the year.

(c) Keeping in repair the Fort Hill and the Victory Road Receiving Stations, and the installation of a new exhaust system for the Blacksmith Shop.

(d) Continued operation of the Gardner Street Dump with Sanitary Division forces. An excellent dumping operation is conducted at this site, and it serves the West Roxbury, Jamaica Plain, Hyde Park, and Brighton districts.



SOUTH BAY INCINERATOR  
Picture of Scale Model

#### STREET CLEANING AND SNOW REMOVAL

The street-cleaning function has been conducted as usual. Mechanization of this function did not progress satisfactorily during this year, for, although we did acquire two new mechanical pickup sweepers at this year's end, four of the oldest sweepers were turned in as part of the deal, which reduced the number of mechanical sweepers from twenty-eight to twenty-six. Furthermore, many of these machines, which have been in operation for over ten years, break down frequently with considerable outage in service. A more adequate program for replacement of this equipment should be developed.

Division street-cleaning forces removed snow from the streets in the downtown retail stores district, and there-

after in other sections of the City Proper following storms in excess of two inches which occurred during the fall and winter months.

The entire division was mobilized for the Spring Clean-up Campaign, conducted from March 24 to April 18. At the end of this period, every section of the city was in a clean condition, and the winter's accumulation of sand in the gutters had been removed. A crew of relief recipients was obtained from the Welfare Department and was employed in cleaning up the city-owned vacant lots in the Lower Roxbury and South End districts.

#### INCINERATOR CONSTRUCTION

Construction of the South Bay Incinerator proceeded during the year. There was some delay occasioned by labor difficulties and material shortages. There were two strikes at the site, one by laborers and one by carpenters. There was a strike at the plant furnishing the precast concrete roof slabs, which delayed closing in the boiler room for fifty-six days; and delivery of structural steel was very slow. As a result, the construction of the incinerator is considerably behind schedule.

The Coleman Brothers Corporation completed construction of the refuse storage bin on January 22 of this year. The John Bowen Company, Inc., commenced work on the incinerator building on January 20, and their work is still in progress. The Tynan Incinerator Company commenced work for installing the furnaces, boilers, and appurtenances on September 2.

Plans and specification for the construction of a steam main from the incinerator to the Boston City Hospital have been completed, and an application for a permit to cross the Southeast Expressway with this steam main has been submitted to the State Department of Public Works. Negotiations have proceeded during the year with the Boston Edison Company for the purchase of surplus steam from the incinerator. It is now estimated that the incinerator will be ready for operation about July 1, 1959.

Respectfully submitted,

JOHN J. FLAHERTY, *Division Engineer,  
Sanitary Division, P. W. D.*

## PAYMENTS TO REFUSE COLLECTION CONTRACTORS

District	Contractor	Monthly Contract Price	Total Payments
1 South Boston.....	Anthony J. Ryan, Jr..... (First 3 months)..... (Last 9 months).....	\$12,607 12,600	\$151,212 00
2 East Boston.....	Milano Brothers, Inc..... (First 3 months)..... Jeffries Disposal Corporation..... (Last 9 months).....	7,328+ 9,608	109,644 00
3 Charlestown.....	Jeffries Disposal Corporation.....	4,832	57,984 00
4 Brighton.....	Frank J. Cavaliere Company, Inc..... (First 3 months)..... James A. Freaney, Inc..... (Last 9 months).....	14,420 14,620	174,840 00
5A West Roxbury.....	Frank J. Cavaliere Company, Inc..... (First 3 months)..... Marinucci Brothers Company, Inc..... (Last 9 months).....	10,350+ 11,990	140,363 00
5B Jamaica Plain.....	J. J. Moore Company, Inc..... (First 3 months)..... (Last 9 months).....	11,100 11,400	135,900 00
6A Dorchester (North).....	Coleman Brothers Corporation..... (First 3 months)..... Frank J. Cavaliere Company, Inc..... (Last 9 months).....	27,370 25,630	312,780 00
6B Dorchester (South).....	Coleman Brothers Corporation..... (First 3 months)..... Frank J. Cavaliere Company, Inc..... (Last 9 months).....	30,570 28,430	347,580 00
7A Elm Hill.....	William J. Banfield..... (First 3 months)..... Carriere Construction Company..... (Last 9 months).....	5,420 5,320	64,140 00
7B Dudley.....	United Contracting Company..... (First 3 months)..... (Last 9 months).....	6,929 7,429	87,648 00
7C Mission Hill.....	Frank J. Cavaliere Company, Inc..... (First 3 months)..... Dooley Brothers, Inc..... (Last 9 months).....	7,960 7,500	91,380 00
7D Roxbury.....	James A. Freaney, Inc..... (First 3 months)..... United Contracting Company of Boston..... (Last 9 months).....	9,480 8,098	101,322 00
8 South End.....	James A. Freaney, Inc..... (First 3 months)..... Joseph Anara & Son..... (Last 9 months).....	6,940 6,719	81,291 00
9A Back Bay.....	Dooley Brothers, Inc..... (First 3 months)..... (Last 9 months).....	2,990 3,290	38,580 00
9B Stuart.....	James A. Freaney, Inc..... (First 3 months)..... (Last 9 months).....	2,910 2,385	30,195 00
10 North and West Ends...	Ward General Contracting Company..... (First 3 months)..... (Last 9 months).....	13,650 12,500	153,450 00
11 Hyde Park.....	Dooley Brothers, Inc..... (First 3 months)..... (Last 9 months).....	6,390+ 6,690	79,778 00
Total.....	.....	.....	\$2,158,087 00

## PAYMENTS TO DISPOSAL CONTRACTORS

District	Contractor	Monthly Contract Price	Total Payments
	Coleman Disposal Corporation..... (First 3 months).....	\$2,100	\$6,300 00
	M. DeMatteo Construction Company.....	30,980	371,760 00
Total.....			\$378,060 00

## PAYMENTS FOR RENTAL OF DUMPS

Saugus.....	Dewey E. Daggett..... (First 3 months)..... (Last 9 months).....	\$900 1,916 50	\$19,948 50
Calf Pasture.....	Boston Gas Company.....	2,000	24,000 00
Total.....			\$43,948 50
Total Disposal.....			\$422,008 50
Total Payments to Contractors for Refuse Collection and Disposal.....			\$2,580,095 50

*Expenditures in 1958*

Payments to Refuse Collection Contractors .....	\$2,158,087 00
Payments to Refuse Disposal Contractors .....	422,008 50
	<hr/>
	\$2,580,095 50

## Payroll Totals Were as Follows:

## Administrative and General

Services.....	\$58,492 70
Shops and Storehouse.....	205,044 81
Collection and Disposal .....	296,251 49

Total Sanitary .....	\$559,789 00
Street Cleaning.....	1,644,910 73

Total Sanitary and Street Cleaning.....	\$2,204,699 73
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## Overtime Payrolls Were as Follows:

Shops and Storehouse.....	\$1,551 08
Collection and Disposal .....	4,318 37
Street Cleaning.....	32,651 49

Total Overtime.....	38,520 94
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Total Payroll .....	\$2,243,220 67
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Payments on Other Contracts.....	48,631 78
Supplies and Materials.....	50,245 89
Miscellaneous.....	12,525 45

Grand Total .....	\$4,934,719 29
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*Equipment Acquired During 1958*

2 Wayne Sweepers.....	\$27,000 00
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*Personnel Changes in Permanent Force During the  
Year 1958*

Total Personnel, January 1, 1958 . . . . .	*630
Transfers In (from Other Departments and Divisions) . . . . .	13
Reinstatements . . . . .	3
Appointments . . . . .	24      40
	—      —
	670
Deaths . . . . .	11
Resignations . . . . .	13
Retirements . . . . .	34
Transfers Out (to Other Departments and Divisions) . . . . .	5
Discharges . . . . .	1      64
	—      —
Total Personnel, January 1, 1959 . . . . .	†606

\* Including 1 Military Leave of Absence.

† Total Net Loss of 24 Employees.

APPENDIX E

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REPORT OF THE DIVISION ENGINEER OF  
THE SEWER DIVISION

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BOSTON, January 2, 1959.

*To the Commissioner of Public Works.*

DEAR SIR:

I submit herewith statement of the activities and expenditures of the Sewer Division for the year ending December 31, 1958.

*Expenditures During 1958:* The activities of the Sewer Division during the year consisted of advertising for sewer construction at a contract bid price of \$98,658.16, and the maintenance and operation of the sewer system at a cost of \$748,462.45.

*Contract Work:* Contract work consisted of the extension of the sewer system to provide drainage for new buildings and street construction and to eliminate cess-pools, the locations and cost of which are attached.

*Maintenance Work:* Maintenance work consisted of the cleaning of 3,883 catch basins by contract and 1,535 by yard forces, the freeing of stopped sewers and catch basins, and the repair of sewers, manholes, and catch basins by the yard forces and the operation of the pumping station and disposal works, the cost of which is attached.

The Sewer Division is responsible for the maintenance of about 1,295.31 miles of sewers and surface drains, the emergency cleaning of catch basins, the repair of broken sewers and catch basins, the answering of house drain complaints, the operation of pumping stations and storage basins for the disposal of sewage by division forces; the keeping of records, the issuance of permits for and the inspection of the construction of house drains; engineering, clerical, and inspectional work in connection with the construction of sewerage works done by advertised contract.

An advertised contract was awarded to the lowest bidder for the emergency repair of sewers at a bid price of \$17,260.

Two advertised contracts were awarded to the lowest bidders for the cleaning of catch basins in the sum of \$22,950.

*Proposed Work to Be Done by Advertised Contract During 1959 Is As Follows:*

Emergency repairs of sewers. Estimated cost, \$20,000.  
Cleaning of catch basins. Estimated cost, \$15,000.

Extension of sewer system to provide drainage for new buildings and new street construction. Estimated cost, \$300,000.

The covering in that part of open Canterbury Branch of Stony Brook from Canterbury street to Walk Hill street. Estimated cost, \$155,000. Would be built under Chapter 91, under which the state would assume one half of the cost.

The covering in of an open tidal creek known as Neponset River and Squantum Bay (Davenport Brook), between the end of the existing Davenport Brook Conduit near Hallet street, Dorchester, and highway culvert recently constructed in connection with the Southeast Expressway. Estimated cost, \$90,000. Would be built under Chapter 91, under which the state would assume one half of the cost.

The covering in of Spring Street Brook, between Gould street and 1,200 feet south of Gould street, West Roxbury. Estimated cost, \$120,000.

The rebuilding of the existing 3-foot by 4-foot brick sewer built in 1881 with a twin 30-inch diameter inverted siphon located within the Prudential area and the tracks of the Boston & Albany Railroad, between Huntington avenue and Garrison street and Boylston street at Fairfield street. Estimated cost, \$236,800.

*The Sewer Division Labor Force Consists of the Following:* 14 laborers, 1 carpenter, 28 motor equipment operators and laborers, 9 catch-basin machine operators, 3 tide gate repairmen and 1 working foreman-tide gate repairman, 8 working foremen-sewer cleaners, 10 sewer cleaners, 4 bricklayers, 2 yardmen, 1 heavy motor equipment operator, 5 sewer district foremen, and 1 main drainage foreman. This makes a total of 87 men assigned

to answering complaints, cleaning catch basins, cleaning sewers, repairing manholes and catch basins, repairing broken sewers, and other related work.

*Length of Sewers Built:* During the fiscal year 1958 there were built by contractors and day labor 2.69 miles of common sewers and surface drains throughout the city. After deducting 0.16 miles of sewers and surface drains, rebuilt or abandoned, the net increase for 1958 is 2.53 miles, which, added to the existing 1,295.31 miles of common sewers and surface drains and 30.93 miles of intercepting sewers, makes a grand total of 1,328.77 miles of all sewers belonging to the City of Boston, and under the care of the Sewer Division on January 1, 1959.

There were 120 catch basins built or rebuilt and none abandoned or removed during the year, making a net gain of 120 catch basins and a grand total of 24,818 catch basins under the care of the Sewer Division on January 1, 1959.

*Permit Office Report:* Entrance fees to the amount of \$11,619.23 have been deposited with the City Collector for collection from estates upon which no sewer assessments were ever paid, in accordance with Ordinances of 1945, Chapter 27, Section 10.

There were 704 permits issued, viz., 140 to district foremen and contractors and 564 to drain layers for repairing or laying new house drains. Inspectors from this office have personally inspected the work done under these drain-layers' permits.

There were 1,989 complaints investigated, and inspectors are instructed to report in writing in each case.

There were 1,920 catch-basin complaints received.

Reported in writing on 3,605 municipal liens to the City Collector, in accordance with Chapter 60, Section 25, of the General Laws. Reported orally on about 1,800 requests for information on municipal liens.

Respectfully,

EDWARD G. A. POWERS,  
*Division Engineer, Sewer Division.*

**SUMMARY OF SEWER CONSTRUCTION FOR TWELVE  
MONTHS ENDING DECEMBER 31, 1958**

DISTRICTS.	Built by the City Either by Contract or Day Labor.	Built by Private Parties.	Total Lengths Built.	
	Linear Feet	Linear Feet	Linear Feet	Miles
City Proper.....		1,883.00	1,883.00	0.3566
Roxbury.....	438.50	955.00	1,393.50	0.2639
South Boston.....				.....
East Boston.....				.....
Charlestown.....				.....
Brighton.....				.....
West Roxbury.....	4,349.00	1,624.00	5,973.00	1.1312
Dorchester.....	2,059.10	218.50	2,277.60	0.4314
Hyde Park.....	1,422.66	1,288.71	2,711.37	0.5135
Totals.....	8,269.26	5,969.21	14,238.47	2.6966

**SUMMARY OF SEWER CONSTRUCTION FOR FIVE YEARS  
PREVIOUS TO JANUARY 1, 1959**

	1954	1955	1956	1957	1958
	Linear Feet				
Built by city by contract or day labor....	33,316.89	33,237.48	25,559.88	17,133.24	8,269.26
Built by private parties or other city departments.....	10,459.00	1,695.15	3,487.39	4,278.40	5,969.21
Totals.....	43,775.89	34,932.63	29,047.27	21,411.64	14,238.47

## TOTAL LENGTH OF SEWERS

DISTRICTS.	Total Lengths Built During Twelve Months Ending December 31, 1958.	Lengths Removed or Abandoned During Twelve Months Ending December 31, 1958.	Additional Lengths for the Twelve Months Ending December 31, 1958.	
	Linear Feet	Linear Feet	Linear Feet	Miles
City Proper.....	1,883.00	475.00	1,408.00	0.2666
Roxbury.....	1,393.50	390.00	1,003.50	0.1901
South Boston.....	.....	.....	.....	.....
East Boston.....	.....	.....	.....	.....
Charlestown.....	.....	.....	.....	.....
Brighton.....	.....	.....	.....	.....
West Roxbury.....	5,973.00	.....	5,973.00	1.1312
Dorchester.....	2,277.60	.....	2,277.60	0.4314
Hyde Park.....	2,711.37	.....	2,711.37	0.5135
Totals.....	14,238.47	865.00	13,373.47	2.5328

Common sewers and surface drains built previous to January 1, 1958 . . . . .	Miles. 1,295.31
Common sewers and surface drains built between January 1 and December 31, 1958 . . . . .	2.53
Common sewers and surface drains built ending December 31, 1958 . . . . .	1,297.84
City of Boston intercepting sewers connecting with Metropolitan sewers to December 31, 1958 . . . . .	6.81*
City of Boston main drainage intercepting sewers to December 31, 1958 . . . . .	24.12*
Grand total of common and intercepting sewers to December 31, 1958 . . . . .	1,328.77
Total mileage of streets containing sewerage works to January 1, 1959 . . . . .	716.12

\* No additional lengths built during 1958.

## CATCH BASINS IN CHARGE OF SEWER DIVISION

DISTRICTS.	CATCH BASINS FOR TWELVE MONTHS ENDING DECEMBER 31, 1958.			TOTAL FOR WHOLE CITY IN CHARGE OF SEWER DIVISION.	
	Number Built or Rebuilt.	Number Abandoned or Removed.	Net Increase.	Previous Report to January 1, 1958.	Grand Total to January 1, 1959.
City Proper.....	0	0	0	3,801	3,801
Roxbury.....	27	0	27	3,494	3,521
South Boston.....	11	0	11	1,477	1,488
East Boston.....	4	0	4	1,223	1,227
Charlestown.....	0	0	0	870	870
Brighton.....	3	0	3	2,142	2,145
West Roxbury.....	46	0	46	4,591	4,637
Dorchester.....	18	0	18	5,709	5,727
Hyde Park.....	11	0	11	1,391	1,402
Totals.....	120	0	120	24,698	24,818

## REPORT OF CALF PASTURE PUMPING STATION, 1958

Total millions of gallons pumped (annually) . . . . .	46,448.025
Average cost per million gallons (annually) . . . . .	\$4 57

## ANNUAL TOTAL OPERATING COSTS, 1958

Labor . . . . .	\$105,607 33
Edison Power . . . . .	93,392 32
Fuel Oil No. 5 . . . . .	3,927 28
Bottled Gas . . . . .	101 00
Supplies . . . . .	2,526 75
Miscellaneous Oil . . . . .	170 18
Service Orders . . . . .	6,405 50
	-----
	\$212,130 36

## SEWER DIVISION BUDGET EXPENDITURES, 1958

10. Permanent Employees . . . . .	\$548,784 91
11. Temporary Employees . . . . .	1,840 05
12. Overtime . . . . .	16,529 15
	-----
	\$567,154 11
21. Communications . . . . .	\$3,174 67
22. Light, Heat, Power . . . . .	104,269 53
26. Repairs and Maintenance of Buildings and Structures . . . . .	42,187 10
27. Repairs and Servicing of Equipment . . . . .	6,544 05
28. Transportation of Persons . . . . .	1,047 00
29. Miscellaneous Contractual Services . . . . .	705 64
	-----
	157,927 99
32. Food Supplies . . . . .	\$9 45
33. Heating Supplies and Materials . . . . .	6,407 99
34. Household Supplies and Materials . . . . .	465 91
35. Medical, Dental, and Hospital Supplies and Materials . . . . .	39 87
36. Office Supplies and Materials . . . . .	2,379 37
39. Miscellaneous Supplies and Materials . . . . .	12,060 62
	-----
49. Miscellaneous Current Charges and Obligations . . . . .	\$1,387 00
59. Miscellaneous Equipment . . . . .	\$630 14
	-----
Grand Total . . . . .	\$748,462 45

**CONSTRUCTION REPORT, 1958.**  
**Sewerage Works, 1958.**

ACCOUNTS	Totals	Labor	Materials	Contractors	Sundries
Office and engineer's salaries . . . . .	\$144,673 58	\$144,673 58			\$11,793 20
Miscellaneous bills, service orders, etc., . . . . .	12,787 71				
Stock . . . . .	17,426 08				\$17,426 08
Land takings . . . . .	0 00				
Release sewers . . . . .	7,199 19	7,199 19			
Mechanics Iron Foundry Co., Contract No. 4167 . . . . .	25,578 20				25,578 20
Mechanics Iron Foundry Co., Contract No. 4185 . . . . .	31,269 96				31,269 96
Total Miscellaneous . . . . .	\$238,934 72	\$151,872 77	\$17,426 08		\$68,641 36
Total sewers built . . . . .	143,165 80	19,664 30	6,901 81		116,205 99
Total gross expenditures . . . . .	\$382,100 52	\$171,537 07	\$24,327 89		\$184,847 35
Credits					
Construction stock used on construction . . . . .	\$24,327 89				
Total expenditures, 1958 . . . . .	\$357,772 63	\$171,537 07	—		\$184,847 35
					\$1,388 21

**Sewerage Works Contracts, from January 1, 1957, to December 31, 1958.**

LOCATION	Started	Finished	Contractors	Length in Feet	Character	Amount Expended in 1958
WEST ROXBURY						
Byrd avenue, West Roxbury, and Rushmore street, Brighton	June 17, 1957	July 26, 1957	N. Bevilacqua & Son . . . . .	No const.	Final payment only . . . . .	\$288 27
Grandview street and outlet in private land to Winton street and minor sewerage works in June street.	Dec. 11, 1957	April 29, 1958	G & F Construction Co. . . . .	653.00 317.00 60.00	10" pipe sewer . . . . . 10" pipe surface drain . . . . . 10" pipe catch-basin drain 5 manholes 6 catch basins	15,903 50
Robken road and outlet in Selwyn Street Extension.	July 25, 1957	Aug. 27, 1957	Z & S Construction Co. . . . .	No const.	Final payment only . . . . .	242 70
Ascent street and Glenellen road . . . . .	July 21, 1958	Aug. 13, 1958	Joseph Capone & Son, Inc. . . . .	108.00 267.00 545.00 187.00 205.00	10" pipe sewer . . . . . 10" pipe surface drain . . . . . 12" pipe surface drain . . . . . 15" pipe surface drain . . . . . 10" pipe catch-basin drain 5 manholes 11 catch basins	13,195 35
Florian street, between Wyvern street and Tolson street.	July 21, 1958	Aug. 22, 1958	C. Russo, Inc. . . . .	480.00 155.00 143.00 175.00	10" pipe sewer . . . . . 15" pipe surface drain . . . . . 12" pipe surface drain . . . . . 10" pipe surface drain . . . . . 6 manholes	7,845 85
Centre street, Glencliffe road, Gould street, Leland road, and Vogel street.	July 1, 1958	July 30, 1958	N. Bevilacqua & Son . . . . .	237.00	10" pipe catch-basin drain . . . . . 20 catch basins	7,308 35
Lyall terrace, from Lyall street 220 feet southwesterly.	Sept. 29, 1958	Oct. 14, 1958	N. Bevilacqua & Son . . . . .	238.00 234.00	10" pipe sewer . . . . . 10" pipe surface drain . . . . . 3 manholes	3,037 52
Florian Way, from Florian street 290 feet southerly.	Not yet started		N. Bevilacqua & Son . . . . .	No const.	Advertising and engineering only . . . . .	338 57
Veterans of Foreign Wars Parkway (east side), from Gardner street 500 feet northerly.	Not yet started		John J. Botti . . . . .	No const.	Engineering only . . . . .	310 20

**Sewerage Works Contracts, from January 1, 1957, to December 31, 1958 — Concluded.**

LOCATION	Started	Finished	Contractors	Length in Feet	Character	Amount Expended in 1958
DORCHESTER						
Gallivan Boulevard, north side, from man-hole opposite Marsh street to 265 feet westward.	Oct. 21, 1957	Nov. 9, 1957	Paul J. Rogan Co. . . . .	No const.	Final payment only . . . . .	\$224 77
Cornman road, Coffey street, and Richmere road, Dorchester, and Greenwood Circle, Hyde Park.	June 24, 1957	Aug. 15, 1957	Joseph Capone & Son, Inc. . . . .	No const.	Final payment only . . . . .	241 45
Manor street . . . . .	Aug. 14, 1958	Aug. 29, 1958	Joseph Capone & Son, Inc. . . . .	592.25 355.40 49.00	10" pipe sewer 12" surface drain minor drain 4 catch basins 5 manholes	7,966 61
Calf Pasture Pumping Station	May 23, 1958	Aug. 4, 1958	P. J. Riley & Co. . . . .	New main sluice gates . . . . .	20,262 11	
(56) Freeport Way	Oct. 20, 1958	Nov. 24, 1958	C. Russo, Inc . . . . .	413.80 33.40	10" pipe sewer . . . . . minor drain 3 manholes 3 catch basins	2,968 92
St. Clare road, from Boutwell street to end.	Nov. 25, 1958	Not yet finished	C. Russo, Inc. . . . .	179.60 20.00	10" pipe sewer . . . . . minor drain 1 manhole 2 catch basins	1,575 18
Lynne Park						
Huntington avenue, Ashville road, and Melba Way.	June 13, 1957	Aug. 5, 1957	Joseph Capone & Son, Inc. . . . .	No const.	Final payment only . . . . .	374 89
Stony Brook, Section 18 . . . . .	Oct. 3, 1955	Sept. 28, 1957	Paccella Bros. Corp. . . . .	No const.	Final payment only . . . . .	24,513 15
Outlet for Millstone road in private land and land of M. D. C., Hyde Park, and minor sewerage works in Dow road and Cutler road, West Roxbury.	July 23, 1957	Aug. 22, 1957	Edward Vozella . . . . .	No const.	Final payment only . . . . .	101 95
Farwell avenue from a point 390 feet southeast of Summit street 205 feet southeast- erly, Hyde Park; Maria Lane; outlet for housing project to Fernway Heights ave- nue, West Roxbury; and water works in Farwell & Avenue, Hyde Park.	Aug. 26, 1957	Sept. 23, 1957	N. Bevilacqua & Son . . . . .	No const.	Final payment only . . . . .	127 35

Beech street, between Ashville road and 90 feet northwest of Lodgehill road, and in Ashville road between Beech street and 485 feet southerly.	June 3, 1958	June 23, 1958	Mystic Construction Co. . . . .	478.07 340.60	12" pipe surface drain 10" pipe surface drain 7 manholes	5,730 62
Sewerage works and water works in Mansur street, Hyde Park and West Roxbury, from Grew avenue to 180 feet west of Arborfield road; Valence road, between Avila street and end, Hyde Park; and minor sewerage works in Williams street, West Roxbury.	Oct. 30, 1957	Dec. 4, 1957	Joseph Capone & Son, Inc.. . . . .	No const.	Final payment only. . . . .	1,237 83
Bradlee street, between Sufford street and Taegna street; Taegna street, from Bradlee street to 100 feet northeasterly, Sherrin street, Windham road, Austin street, and outlet in private land and Grew Avenue Extension.	Dec. 2, 1958	Not yet finished.	Roslindale Contracting Co. . . . .	200.00	24" pipe surface drain. . . . .	1,758 17
Roxbury			Joseph Capone & Son, Inc. . . . .	No const.	Engineering only. . . . .	783 05
South Bay avenue, between Atkinson street and Cummings street.	Aug. 29, 1957	Oct. 1, 1957	Z. & S. Construction Co. . . . .	No const.	Final payment only. . . . .	544 99
Topeka street, between Southampton street and South Bay avenue.	Feb. 6, 1958	Mar. 7, 1958	John J. Botti. . . . .	134.00	10" pipe catch -basin drain. . . . . 3 catch basins	3,244 58
South Bay avenue, between Topeka street and Moore street.	June 23, 1958	July 18, 1958	R. A. Buccella & Sons, Inc. . . . .	438.50	12" pipe sewer. . . . .	18,672 37
CITY PROPER			Mystic Construction Co. . . . .	No const.	Final payment only. . . . .	4,367 45
Appleton street, City Proper, from a point 100 feet southwest of Berkeley street to a point 50 feet southwesterly; Huntington avenue, Roxbury, from a point 80 feet northeast of Opera place to a point 50 feet northeasterly; Edgerly road, City Proper, from a point 60 feet north of Norway street to a point 50 feet northerly; Norway street, City Proper, between Edgerly road and Whipple street.	Nov. 27, 1957	Dec. 30, 1957				

## APPENDIX F

REPORT OF THE  
SURVEY DIVISION

BOSTON, January 2, 1959.

*To the Commissioner of Public Works.*

DEAR SIR:

I respectfully submit the following report of the activities of the Survey Division for the year ending December 31, 1958.

This division performs engineering services for other divisions of the Public Works Department and other city departments, boards, and commissions. It also performs administrative and engineering duties required by the Public Improvement Commission for its operation.

The principal engineering duties include:

- (a) the making of plans, surveys, estimates and reports relating to the laying out, widening, construction, and design of public highways;
- (b) the taking of easements for sewerage works;
- (c) staking out lines and grades for the construction of highways, sewerage, etc.;
- (d) the making of property surveys of land to be acquired by the City of Boston by eminent domain;
- (e) the making of plans and surveys of city-owned land for purposes of sale, interdepartmental transfer, or new development;
- (f) the making of various engineering surveys and plans required by other city departments.

For the Public Improvement Commission, the administrative functions include the processing of petitions, arranging public hearings, preparing estimates and orders relating to land damages and street and sewer betterments, preparing orders for the laying out of streets and the construction of streets and sewers, preparing orders for eminent domain land takings, preparing orders for the granting of permits for use of

public highways, erection of poles, etc., and the maintenance of all records in the charge of the Public Improvement Commission.

*Personnel:* On December 31, 1958, there were 33 permanent and 4 temporary employees as listed below in this division.

NAME	TITLE
Kenneth L. Benkart . . .	Senior Engineering Aide
Charles E. Brewer . . .	Assistant Civil Engineer
Arthur J. Brickley . . .	Assistant Civil Engineer
Oliver C. Brown . . .	Senior Engineering Aide
George F. Buckley . . .	Junior Civil Engineer
John A. Bulliner . . .	Senior Enginnering Aide
Carmine D. Buono . . .	Senior Engineering Aide (Provisional)
Joyce E. Campbell . . .	Principal Clerk-Stenographer
Michael J. Corrao . . .	Assistant Executive Secretary
George J. Creney . . .	Photostat Operator
John J. Curley, Jr. . .	Junior Civil Engineer
Saverio A. DeFronzo . . .	Senior Clerk-Typist
Salvatore C. Diliberto . . .	Assistant Civil Engineer
William F. Duggan . . .	Principal Clerk-Stenographer
Harry M. Fletcher . . .	Assistant Civil Engineer
Thomas O. Flood . . .	Senior Clerk
George H. Gilboy . . .	Junior Civil Engineer
John F. Gilmore, Jr. . .	Assistant Civil Engineer
James W. Haley . . .	Division Engineer
Bernard Harrington . . .	Junior Engineering Aide (Provisional)
Leo B. Hughes . . .	Senior Engineering Aide
Roland A. Hull . . .	Assistant Civil Engineer
Angelo J. Ialuna . . .	Assistant Civil Engineer
James J. Kelly . . .	Senior Engineering Aide (Provisional)
Walter R. Luby . . .	Principal Civil Engineer
Thomas McCusker . . .	Executive Secretary
Francis McHugh . . .	Junior Civil Engineer
Robert P. Mehegan . . .	Assistant Executive Seeretary
Frederick J. Milliken, Jr. . .	Senior Engineering Aide
A. Albert Minichiello . . .	Assistant Civil Engineer
Philip A. Moynahan . . .	Senior Enginecning Aide
William P. Norris . . .	Photographer
Thomas E. Rafferty . . .	Assistant Civil Engineer
Albert J. Rodriguez . . .	Junior Civil Engineer
John J. Ryan . . .	Principal Civil Engineer
John A. Rohanna . . .	Junior Engineering Aide
Robert J. Sheehan . . .	Senior Engineering Aide (Provisional)
Redmond L. Walsh . . .	Head Photostat Operator

The personnel allowance of this division has been dropping steadily, from 73 in 1935 to 57 in 1945 to 41 this year. Of the 41 positions, 8 are now permanent vacancies because of our inability to secure qualified personnel through Civil Service in competition with higher salaries offered by the state and other public and private agencies. Obviously, this situation, which has continued now for over 10 years, is a serious handicap to the division.

**DIVISION EXPENDITURES, JANUARY 1, 1958, TO DECEMBER 31, 1958, INCLUSIVE**

	Survey Budget	Highway Loan	Sewer Loan
Personnel.....	\$83,840 88	\$101,527 54	—
Pensions.....	21,287 28	—	—
Contractual Services.....	2,857 72	4,573 05	\$639 75
Supplies and Materials.....	7,179 42	—	—
Current Charges and Obligations.....	—	39,699 75	—
	<b>\$115,165 30</b>	<b>\$145,800 34</b>	<b>\$639 75</b>
<b>TOTAL EXPENDITURES.....</b>			<b>\$261,605 39</b>

During the period covered by this report, the Survey Division completed 109 surveys and plans for the improving of existing highways, laying out of new ones and discontinuances, totaling 12.05 miles. There were 23 surveys and plans for 1.50 miles of sewerage easements and 10 surveys and plans of city-owned land or land to be taken for municipal purposes made.

Field engineering work included the staking out of 50 streets for the Paving Service of the Highway Division, 20 for the Sewer Division, and miscellaneous services for other city departments. Regular routine work included the resurveying of street lines for private engineers wherever existing records were inadequate or obsolete, marking lines and grades for private construction abutting public streets, examining Land Court plans for the Law Department, preparing land damage reports for the Public Improvement Commission.

Listed below are the major engineering surveys and plans completed during the period of this report.

*For the Public Improvement Commission:*

There were 58 surveys made, and plans for the laying out of 7.45 miles of public highways were made as follows:

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER:	
Dover street . . . . .	350
BRIGHTON:	
Fidelis Way . . . . .	1,725
Nottingham Path . . . . .	205
Rotterdam street . . . . .	580
CHARLESTOWN:	
Walford Way . . . . .	1,890
DORCHESTER:	
Colorado street . . . . .	335
Fermoy Heights avenue . . . . .	365
Frazer street . . . . .	335
Freeport Way . . . . .	440
Messinger street . . . . .	250
Milton Street Extension . . . . .	245
Savannah avenue . . . . .	325
Shandon road . . . . .	750
Standard street . . . . .	1,100
Woodbole avenue . . . . .	2,200
Woodmere street . . . . .	200
Woodruff Way . . . . .	1,400
Woodgate street . . . . .	800
EAST BOSTON:	
Faywood avenue . . . . .	1,385
Orient avenue . . . . .	100
Swift street and terrace . . . . .	250
Vallar road . . . . .	1,260
HYDE PARK:	
Bow street . . . . .	680
Bradlee street . . . . .	350
Braeburn street . . . . .	520
Child street . . . . .	530
Garfield avenue . . . . .	1,320
Lodgehill road . . . . .	275

Magee street	730
Meadow road	800
Metropolitan avenue	270
Norris road	396
Providence street	2,480
Ruffing street	515
Sherrin street	920
Tracton avenue	130
Westville road	200
Woodland road	880
Westminster street	1,385
Woodglen road	270

## ROXBURY:

Alley No. 2301	790
Copeland park	130
Quincy place	130
Orchard Park street	180

## SOUTH BOSTON:

Flaherty Way	990
Hill place	150
Patterson Way	940

## WEST ROXBURY

Altacrest road	280
Aldwin road	150
Atwill Road Extension	240
Bobolink street	380
Gilmore terrace	200
Meyer street	620
Pheasant street	330
Sigourney Street Extension	860

There were 14 surveys and plans made for the widening and relocation of .90 miles of public highways, as follows:

District	Length in Feet
----------	-------------------

## BOSTON PROPER:

Belvidere street	1,280
Harrison avenue and Dover street	60
Tyler street and Curve street	38
West Newton street	160

## DORCHESTER:

Harvard street and Walk Hill street	191
Hill Top street and Hallet street	31
Willow court	880

## HYDE PARK:

Prescott street . . . . .	1,300
---------------------------	-------

## ROXBURY:

Ceylon street and Quincy street . . . . .	83
Huntington avenue . . . . .	580

There were 5 surveys and plans made for the discontinuance of .10 miles of public highways, as follows:

<i>District</i>	<i>Length in Feet</i>
-----------------	---------------------------

## BOSTON PROPER:

Blackstone street . . . . .	80
Clinton street . . . . .	68
Dalton street . . . . .	275
West Newton street . . . . .	160

## SOUTH BOSTON:

Gillette park . . . . .	17
-------------------------	----

There were 2 surveys and plans made for the discontinuance of the following sewer easements:

<i>District</i>	<i>Length in Feet</i>
-----------------	---------------------------

## WEST ROXBURY:

Bertson avenue and Dent street . . . . .	100
Dow road . . . . .	60

There were 23 surveys and plans made for the alteration (specific repair) of 3.60 miles of public highways, as follows:

<i>District</i>	<i>Length in Feet</i>
-----------------	---------------------------

## BOSTON PROPER:

Columbus avenue and Stuart street . . . . .	8,910
Huntington avenue, Norway street to Gainsboro street . . . . .	1,260

## BRIGHTON:

Commonwealth avenue . . . . .	5,300
-------------------------------	-------

## CHARLESTOWN:

Chelsea street and Gray street . . . . .	21
Sullivan square . . . . .	island

## DORCHESTER:

Babson street and Norfolk street . . . . .	island
Dorchester avenue . . . . .	4,600
Fairmount avenue and Washington street . . . . .	island
Hancock street and Pleasant street . . . . .	island

## EAST BOSTON:

Bennington street and Porter street . . . . .	island
William C. Kelly square . . . . .	island
Maverick square . . . . .	island
Meridian street and Porter street . . . . .	island
Saratoga street . . . . .	360

## HYDE PARK:

Fairmount avenue and River street . . . . .	island
Milton street and Sprague street . . . . .	island

## ROXBURY:

Centre street and Tremont street (Columbus avenue) . . . . .	2,270
Newmarket square, Glynn Way . . . . .	island
Simmons street . . . . .	630

## SOUTH BOSTON:

West Broadway . . . . .	4,000
-------------------------	-------

## WEST ROXBURY:

Crehore road . . . . .	100
South Huntington avenue and Centre street . . . . .	island
South street and Washington street . . . . .	island

There were 23 surveys and plans made for the taking of 1.50 miles of easements for sewerage purposes, as follows:

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER:	
Central and Kilby streets . . . . .	55
Hereford street . . . . .	180

## DORCHESTER:

Manchester street . . . . .	570
Manor street . . . . .	705
St. Clare road . . . . .	150

## EAST BOSTON:

Bennington street and Belle Island Inlet . . . . .	347
--	-----

## HYDE PARK:

Asheville road . . . . .	525
Austin street . . . . .	185
Beech street . . . . .	650
Sherrin street . . . . .	400
Windham street . . . . .	240

## ROXBURY:

Kenway terrace . . . . .	15
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## WEST ROXBURY:

Highfield terrace . . . . .	155
Lyall terrace . . . . .	210
Florian street . . . . .	480
Florian Way . . . . .	290
Martinwood road . . . . .	50
Moreland street . . . . .	435

For the Public Works Department (Central Office) a study plan was prepared of Huntington avenue, Tremont street, St. Alphonsus street, Heath street and South Huntington avenue, Roxbury.

For the Public Works Department (Highway Division), fifty (50) highways were staked out for construction.

For the Public Works Department (Sewer Division), sixty-seven (67) catch basins were staked out. Also, forty-five (45) drainage surveys and reports were made.

For the City Council plans were prepared of public land, private off-street parking locations and historical sites and Boston-Winthrop boundary lines.

For the Real Property Department plans were prepared of Northern avenue, Boston Proper, Willow court, Dorchester, and Meyer street, West Roxbury. Property surveys were made of off-street parking locations at Clinton street and Fort Hill square, Boston Proper.

For the Park Department plans were prepared of Hemenway and Forsyth streets, Roxbury, Sigourney street, West Roxbury, Parkman and Christopher streets, Dorchester. A property survey was made of Hanson street, Boston Proper, Playground and Hyde Park avenue and Glenwood avenue, Hyde Park.

For the Building Department zoning district boundary lines were marked at Roxbury Court House; 446 Western avenue, Brighton; and Howard street, Boston Proper.

For the Law Department a plan was prepared of Elm street and Everett street, West Roxbury.

For the Fire Department a survey and plan was prepared of Moon Island, Boston Harbor, and a topographical plan of Fire Department site at Tremont and West Concord streets, Boston Proper.

*Stone Bounds:* In accordance with a policy established in 1950, stone bounds were set and drilled on the following newly constructed streets:

STREET	DISTRICT	NUMBER OF BOUNDS
Alvarado avenue.....	Hyde Park.....	1
Ansonia road.....	West Roxbury.....	7
Bowditch road.....	West Roxbury.....	2
Brockton street.....	West Roxbury.....	3
Brush Hill terrace.....	Hyde Park.....	4
Byrd avenue.....	West Roxbury.....	3
Caltha road.....	Brighton.....	1
Canterbury street.....	West Roxbury.....	1
Crestwood park.....	Roxbury.....	2
Dalin place.....	Roxbury.....	2
Delford street.....	West Roxbury.....	1
Derry road.....	Hyde Park.....	3
DeStefano road.....	West Roxbury.....	2
Driftwood road.....	West Roxbury.....	3
Eatonia street.....	Brighton.....	1
Farwell avenue.....	Hyde Park.....	1
Glenley terrace.....	Brighton.....	1
Greenwood Circle.....	Hyde Park.....	3
Harrow street.....	Dorchester.....	3
Highfield street.....	West Roxbury.....	2
Hillis road.....	Hyde Park.....	1
Howard place.....	Dorchester.....	4
Huntington avenue.....	Hyde Park.....	2
Maple Street Extension.....	West Roxbury.....	3
Marlin road.....	West Roxbury.....	2
Melba road.....	Hyde Park.....	1
Meyer street.....	West Roxbury.....	2
Mossdale road.....	West Roxbury.....	9
New Bedford street.....	Hyde Park.....	1
Poplar street.....	West Roxbury.....	4
Quinn Way.....	West Roxbury.....	4
Reynolds road.....	Brighton.....	1
Rocky Nook terrace.....	West Roxbury.....	1
Rosecliff terrace.....	West Roxbury.....	2
Safford street.....	Hyde Park.....	8
Sherbrook street.....	West Roxbury.....	1
Solaris road.....	Hyde Park.....	1
Summit avenue.....	Hyde Park.....	22
Tanglewood road.....	Dorchester.....	1

Vallaro road.....	Hyde Park.....	2
Veterans of Foreign Wars Pkwy..	West Roxbury.....	3
West Sorrento street.....	Brighton.....	1
Wyvern street.....	West Roxbury.....	1

*Reproduction Work:* On January 1, 1957, a new policy requiring signed requisitions for all reproduction work was put into effect. Also, a charge to the public of \$1 per copy was begun in accordance with a revised schedule of fees established by the City Council, December 1, 1957.

The new fee schedule brought an income of \$240 to this division from the sale of copies of its plans and records. Other departments and divisions likewise received substantial new revenues from the sale of copies produced by our reproduction service.

Following is the report of reproduction work of the division for the year 1958:

DEPARTMENT	PHSTS	BPS	OZS	APS
Administrative Services.....	910		291	
Assessing.....	778		1,717	20
Auditing.....	330			
Building Department.....	1,056		910	
City Clerk.....	554		420	3
City Council.....	1,896		650	
Civil Defense.....	358		70	
Collecting.....	148			
Compensation Review Board.....	936			
Election.....	48			
Finance Commission.....	86			
Fire Department.....	248		209	
Health Department.....	664		89	
Law Department.....	684		250	
Mayor's Office.....	1,876	25	344	
Park Department.....			51	
Penal Institutions.....	130		538	
Planning Board.....	1,096	33	1,298	4
Public Buildings.....	112			
Public Works:				
Bridge Division.....	236		811	
Highway Division.....	532	39	1,912	14
Permit Office.....	88		190	
Central Office.....	250		131	
Sanitary Division.....	248		419	
Sewer Division.....	1,004	13	619	
Street Lighting.....	146		509	
Water Division.....	294	6	456	
Survey Division.....	3,593	1,289	10,825	601
Real Property.....	1,338	15	1,558	
Registry.....	554			
School Buildings.....	224		161	
School Committee.....	56			
Traffic Commission.....	332			
Treasury.....	196			
Veterans Services.....	1,847		22	
White Fund.....	484		180	
Total.....	23,442	1,420	21,530	642

*Photographic Service:* In carrying out a policy introduced in 1956, we have established a Photographic Service for the Public Works Department and other city departments. As a part of this program we now take photographs of the location of all new highway layouts and proposed improvements, and lands taken for municipal purposes. The following is a summary of this work during the year 1958:

	Nega-	4 x 5	8 x 10
	Tives	Prints	Prints
Building Department.....	80		80
Public Works Department:			
Automotive Division.....	65		65
Bridge Division.....	192	142	136
Central Office.....	245		245
Highway Division.....	116	116	
Public Improvement Commission.....	118		118
Sanitary Division.....	318	318	160
Sewer Division.....	184	184	
Survey Division.....	1,700	1,700	250
Water Division.....	56	56	
Real Property Department.....	225	60	225
Miscellaneous.....	118	118	72
Total.....	3,417	2,694	1,351

Preparation of the following private ways for public travel, as provided for in Chapter 393, Acts of 1906, as amended, was approved by the Public Improvement Commission to be done under the general supervision of engineers of this division:

Dow road . . . . .	West Roxbury
Florian Way . . . . .	West Roxbury
Highfield terrace . . . . .	West Roxbury
Manor street . . . . .	Dorchester
Maplewood street . . . . .	West Roxbury
Martinwood road . . . . .	West Roxbury
Matignon road . . . . .	Dorchester
Mattapan street . . . . .	Dorchester
Moreland street . . . . .	West Roxbury
St. Clare road . . . . .	Dorchester
Sherrin street . . . . .	Hyde Park
Slocum road . . . . .	West Roxbury
Windham road . . . . .	Hyde Park

*Engineering Services:* This is the tenth annual report submitted by the undersigned. From 1949 to 1954 as Chief Engineer of the old Street Laying-Out Department, and from 1954 to date as Survey Division Engineer, I have been primarily concerned with the mainte-

nance and development of professional engineering services for public works and other city activities. During this entire period, the strength and caliber of the city engineering forces has suffered seriously. We lose the better men to more attractive positions paying higher salaries. Likewise, we are unable to attract competent men to the beginning grades. As a result, our engineering program is suffering seriously. In this division we are attempting to carry on with a total of 38 employees the work formerly done by 73, with the 38 comparing unfavorably in training and experience with the former group. And, to make the problem more serious, we are assigned many new functions. These include construction surveys, highway construction plans, specific repair plans, setting of stone bounds on new streets, inspection of private way construction, and reviewing plot plans for all new buildings in the city.

Our reproduction work, which originally consisted of making blueprints of our own Engineering Division plans, now also includes the making of blueprints, ozalids, autopositives, and photostatic copies for most city departments.

We have also established a full-time photographic service.

Redevelopment programs are now looming larger and larger in both city engineering and public works programs. Urban redevelopment involves discontinuance of old streets and laying out new ones. Currently we are making a comprehensive survey of all the streets in the so-called "Government Center" area. This work covers the re-establishment of approximately 7 miles of street lines in a section probably without compare in the entire country for crooked and irregular streets.

Attempting to carry on all of this work with an inadequate force means incomplete projects and postponement of whatever can be put off. Obviously we perform no miracles. We are forced to operate on a day-to-day basis which, in the long run, will prove to be the most inefficient and expensive way to accomplish an effective engineering program. Low pay, short-handed survey parties, and "short-cut" engineering have all had an adverse affect on morale, making the general problem more serious each year.

It is recommended that a careful study be made of the entire matter of municipal engineering. In my opinion "consultants" should be engaged for large or special

projects, but this will do little to solve our problem. A new fresh policy must be established, fixing qualifications, duties, wages, and general working conditions for engineering personnel that will compare favorably with similar positions in other Government and private activities.

*Damages:* During 1958, 133 land damage reports recommending awards totaling \$36,305.95 were submitted to the Public Improvement Commission.

*Assessments:* During the period reported on, estimates of benefit for assessment purposes were prepared amounting to \$255,861.50. These estimates are included in orders for street and sewer improvements. Also, final assessments were prepared amounting to \$305,031.65.

Respectfully submitted,

JAMES W. HALEY,  
*Division Engineer.*

## APPENDIX G

REPORT OF DIVISION ENGINEER OF THE  
WATER DIVISION

BOSTON, January 2, 1959.

*To the Commissioner of Public Works.*

DEAR SIR:

I respectfully submit the following report of the activities of the Water Division, operations and expenditures for the fiscal year ending December 31, 1958.

During the year a total of 17,810.4 linear feet, or 3.37 miles of main pipe was laid or relaid, varying in size from 4 inches to 12 inches, and 569 applications were received for installation of new service pipes, enlarged service pipes, and fire pipes, etc., into new or remodeled buildings.

There were 23 petitions received for the extension of water mains. The particular streets in which the above work was performed are shown on the accompanying tables.

The districts in which the main pipe was laid and relaid are as follows:

DISTRICT	LAID Linear Feet	RELAID Linear Feet
City Proper . . . . .	114.0	827.0
East Boston . . . . .	46.1	2,074.8
Dorchester . . . . .	3,051.7	2,844.0
Hyde Park . . . . .	603.0	0
West Roxbury . . . . .	6,276.8	101.0
Roxbury . . . . .	1,872.0	0

Under the provisions of Chapter 4 of the Ordinances of 1952, which deals with capital improvements, the Water Division submitted a capital improvement program, which program was not followed to any great extent due to the fact that all available funds were needed to extend water mains to provide water into residential areas.

## ENGINEERING OFFICE

The office force maintained its usual service to the public with information in relation to the Water Division, estimates on new service pipes, making out contracts, assisting the yard forces on Water Division matters, compiling official data, bringing record plans to date, supervising all construction and snow removal in areas Nos. 4 and 5.

The engineering forces assisted in design and supervision of water mains for the following major projects, their status being as follows:

*Central Artery*

Fort Hill square to Kneeland street — completed.

Kneeland street to beyond Dover street — design completed and under construction.

Dover Street Bridge — syphon under channel discontinued and new trestle built for 20-inch L.S. and 12-inch H.S.

*Southeast Expressway*

Roxbury Canal, across Southampton street to William T. Morrissey Boulevard — design completed and under construction.

William T. Morrissey Boulevard to Milton line — completed.

Projects being studied and in various stages of progress are as follows:

(a) Reinforce southern section of West Roxbury by utilizing abandoned Brookline water mains.

(b) Reinforce Stony Brook section of Hyde Park with H.S.

(c) Reinforce Low Service, Roxbury and South Boston, by cleaning and lining 30-inch-24-inch main, Roxbury Crossing to Andrew square.

(d) Storage building for water works supplies in Albany Street yard.

(e) Warren Bridge, relocation of 20-inch L.S. and 16-inch H.S. to allow demolition of bridge.

(f) Extension of M.T.A. Highland Division from Beacon street at Maitland street, plans completed and under construction.

*Hydrants:* There were 23 new hydrants established, 101 hydrants changed, and 7 hydrants abandoned.

*Summation:* System relaid 1.11 miles, extended 2.27 miles, 23 hydrants established and 7 hydrants abandoned — an increase of 16 hydrants.

### THE DISTRIBUTION BRANCH

The Distribution Branch, consisting of the main yard at 710 Albany street (with a small subyard in Charlestown) and three district yards, is responsible for the repair and maintenance of main pipes, service and fire pipes, hydrants, gates, and providing emergency and general service to the public. The main yard maintains emergency crews around the clock for any water service that might be required in any section of the city.

The main yard and three district yards were assisted by three contracting firms, one in each yard, with one contractor having two districts. The contractual work consisted of excavation and back-filling to allow the Water Division employees to repair leaks, lay or relay water services, change hydrants, and repair or replace defective water appurtenances. This contractual work was performed in a satisfactory manner and proved its value by giving service to the public.

### DISTRICT YARDS

The district yard forces were utilized in repairs of main pipe leaks, installation of new service pipes, new fire pipes, service pipe repairs, fire pipe repairs, meter changes, off and on calls, and general maintenance service to the public.

### THE MACHINE SHOP

The machine shop and plumbing shop handled all drilling of services in the main yard and assisted in case of emergency in the district yards. The machine shop continues to machine and assemble all new gates up to and including 12 inches, tapping gates up to 6 inches. Gates 16 inches and larger are now purchased under contract made under specifications of New York Pattern, M.D.C. Type. They machine and assemble all hydrants, repair defective hydrants, repair in the ground if possible defective gates, and rebuild gates both corporation, tapping, and high pressure. Along with this work they — both the plumbing and machine shop — are called on to assist other branches of the Public Works Department in many special jobs.

### THE METER BRANCH

The meter shop handled a total of 11,026 meters, divided as follows:

Meters applied on new services . . . . .	492
Meters discontinued . . . . .	1,627
Meters changed out . . . . .	5,662
Meters changed in . . . . .	5,570
Meters tested in shop . . . . .	159
Meters repaired in service . . . . .	553
Meters repaired in shop . . . . .	435
Meters reset . . . . .	906
Meters junked . . . . .	1,284
 Total . . . . .	 16,688

### BUSINESS OFFICE

This office performs all the work related to the processing of bills to property owners for water used and the maintenance of water meters.

These operations include receiving applications for new services and fire pipes; reading 95,000 meters quarterly; computing and preparing 382,000 bills amounting to \$6,014,801.04; keeping account of paid and unpaid bills; testing, repairing, installing, and removing water meters; and receiving complaints from the water-consuming public.

It is unfortunate that for many years the surplus of the Water Division was not allowed to accumulate a reserve fund which would have been available when water receipts failed to meet expenditures.

### 1958

Main pipe petitions recorded in Registry . . . . .	6
Domestic service applications . . . . .	517
Fire pipe applications . . . . .	52
Special meter tests . . . . .	32
Hydrant permits issued . . . . .	12
Repair deposits received . . . . .	93
Miscellaneous deposits . . . . .	29

### APPROPRIATIONS, EXPENDITURES, AND REVENUE

Budget appropriation, 1958 . . . . .	\$2,822,901 18
Amount expended . . . . .	2,255,144 79
 Amount of money collected from all sources during the year 1958 . . . . .	 \$6,056,716 55
Amount expended from all sources . . . . .	5,977,791 74
 Surplus . . . . .	 \$78,924 81

The metropolitan assessment for 1958 amounted to \$3,283,217.68, at the rate of \$80 per million gallons, and decrease of \$45,479.00 under the assessment of 1957, based on the \$80 per million gallon rate.

Total amount billed for 1958 . . . . .	\$6,212,601 61
Total amount collected for 1958 bills, as of December 31, 1958 . . . . .	4,656,361 78
Total amount abated for 1958 bills, as of December 31, 1958 . . . . .	20,907 23
Total amount collected in 1958 on bills rendered prior to 1958 . . . . .	518,673 72

By Chapter 487, Acts of 1954, entitled "An Act Relative to Liens for Water Rates and Charges," effective January 1, 1955, the law was changed so that liens for water rates take effect by operation of law without the necessity of recording a lien statement at the Registry of Deeds.

The issuance of statements of outstanding water bills to the consumers at the end of the year has been continued as a courtesy to the customer.

Respectfully submitted,

D. M. SULLIVAN,  
*Division Engineer.*

#### WATER SERVICE, 1958

Balances from 1957:

Water Service Receipts . . . . .	\$97,607 45
Water Service . . . . .	131,863 18
	<hr/>
	\$229,470 63

Receipts in 1958:

Water Rates and Services . . . . .	\$6,014,801 04
Tax Titles, Water . . . . .	41,915 51
	<hr/>
	6,056,716 55
	<hr/>
	\$6,286,187 18

Expenditures in 1958:

Pensions and Annuities . . . . .	\$241,005 24
Water Division . . . . .	2,255,144 79
Refunds . . . . .	361 40
Metropolitan Water Assessment . . . . .	3,283,217 68
Collecting, Water . . . . .	145,352 00
Automotive, Water . . . . .	118,007 00
	<hr/>
	6,043,088 11
	<hr/>
	\$243,099 07

Transfer of 1957 Surplus		\$97,607 45
Carried Forward to 1959 Water Division		\$145,491 62
Surplus		66,566 81

**Water Division, 1958**

Construction account:

Extension of mains (from revenue)		
Cost of construction Dec. 31, 1958	\$25,521,311 24	
Cost of construction Dec. 31, 1957	25,439,829 36	
Increase in plant cost during 1958		\$81,481 88
Cost of existing works Dec. 31, 1958:		
Pipe yards and buildings	\$100,332 16	
Distribution system	25,439,829 36	
Hyde Park water works	175,000 00	
		\$25,715,161 52
		2,448,340 64
		\$28,163,502 16

**WATER STATISTICS FOR THE FISCAL YEAR ENDING  
DECEMBER 31, 1958***Mains*

Kind of pipe: cast-iron, wrought-iron, steel.

Size, 2-inch to 48-inch.

Extended miles, 2.2.

Size enlarged miles, .7 miles.

Total miles now in use, 1,033.

Public hydrants added, 16.

Public hydrants now in use, 12,559.

Stop gates added, 27.

Stop gates now in use, 16,580.

Number of blowoffs, 857.

Range of pressure on mains, 30 to 90 pounds.

*Services*

Kind of pipe and size:

5/8-inch to 2 inches in diameter of lead or copper.

4 inches and 6 inches in diameter of cast-iron.

Domestic service applications		517
Fire pipe applications		52

**SHUTTING OFF AND TURNING ON WATER IN 1958**

Number of shutoffs for repairs		5,370
Number of premises turned on after repairs		4,767
Number of shutoffs for vacancy		609
Number of premises turned on for occupancy		118
Number of premises shut off for nonpayment of water rates		43
Number of premises turned on again after being shut off for nonpayment		4
Number of premises shut off on account of waste		49
Number of premises turned on again after being shut off for waste		3
Number of new service pipes turned on for the first time		318
Total number of times water was shut off or turned on		11,302

TABLE NO. I. STATEMENT OF WORK DONE DURING THE YEAR 1958

MAKE	Applied	Discontinued	METERS CHANGED		Repaired and Tested in Shop	Repaired in Service	Reset	Junked
			Out	In				
Hersey.....	466	1,467	4,626	5,446	423	481	893	202
Watch Dog.....	17	124	773	123	7	69	13	739
King.....		5	104	.....	.....	1	.....	161
Worthington.....		28	249	.....	.....	.....	.....	147
American.....			4	.....	.....	.....	.....	4
Federal.....		1	30	.....	.....	.....	.....	31
Sparling.....		1	2	.....	.....	.....	.....	.....
Nash.....			1	.....	.....	.....	.....	.....
Arctic.....			4	1	5	1	.....	.....
Trident.....			4	.....	.....	1	.....	.....
Lambert.....			1	.....	.....	.....	.....	.....
Empire.....			.....	.....	.....	.....	.....	.....
Crown.....			1	.....	.....	.....	.....	.....
Keystone.....			.....	.....	.....	.....	.....	.....
Pitt.....			.....	.....	.....	.....	.....	.....
Connection piece.....	9	1	814	1,248	.....	.....	.....	.....
Totals.....	492	1,627	6,613	6,818	435	553	906	1,284

TABLE NO. 2. METERS IN SERVICE, DECEMBER 31, 1958

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	71,729	5,506	2,478	1,446	1,016	359	426	127	37	18	....	82,692
Watch Dog.....	7,301	234	339	761	412	234	68	....	....	....	....	9,349
King.....	372	7	3	8	3	....	....	....	....	....	....	393
Worthington.....	951	6	....	6	4	....	....	....	....	....	....	967
American.....	45	....	....	....	....	....	....	....	....	....	....	45
Federal.....	17	....	....	....	....	....	....	....	....	....	....	17
Crown.....	....	1	....	....	....	4	....	1	1	....	....	7
Nash.....	7	1	....	....	....	1	....	....	....	....	....	9
Lambert.....	2	....	....	....	....	....	1	1	....	....	....	4
Arctic.....	....	1	....	14	15	15	6	2	....	....	....	53
Trident.....	1	....	....	....	....	20	8	....	....	....	....	29
Keystone.....	2	....	....	....	....	....	1	....	....	....	....	3
Empire.....	1	....	....	....	....	....	....	....	....	....	....	1
Neptune.....	....	....	....	....	....	....	....	....	....	....	....	....
Sparling.....	....	....	....	....	....	....	....	....	....	....	....	....
Totals.....	80,428	5,306	2,820	12,235	1,455	630	510	130	37	18	....	93,569

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Connection Pieces (regular).....	2,734	210	79	24	35	17	4	6	4	....	....	3,113
City of Boston, Connection Pieces.....	49	4	27	82	165	69	26	7	1	1	10	441
Total.....	2,783	214	106	106	200	86	30	13	5	1	10	3,554

TABLE NO. 3. METERS IN SHOP, DECEMBER 31, 1958

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
<b>OLD</b>												
Hersey Disc.....	700	48	45	.....	8	11	3	.....	.....	.....	.....	815
Hersey Compound Train.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	3
Hersey Detector.....	.....	.....	.....	.....	.....	7	7	7	3	1	.....	25
Hersey Model "D".....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Watch Dog.....	.....	.....	.....	3	4	8	6	.....	.....	.....	.....	21
Total.....	700	48	45	3	12	20	17	9	7	3	1	865
<b>NEW*</b>												
Hersey.....	.....	.....	.....	.....	15	.....	.....	.....	.....	.....	.....	15

TABLE NO. 4. METERS REPAIRED IN SHOP IN 1958

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	160	68	10	80	60	21	17	6	1	.....	.....	423
Watch Dog.....	.....	.....	.....	2	1	2	2	.....	.....	.....	.....	7
Arctic.....	.....	.....	.....	1	4	.....	.....	.....	.....	.....	.....	5
Total.....	160	68	10	83	65	23	19	6	1	.....	.....	435

TABLE NO. 4A. METERS AWAITING REPAIR OR REBUILDING

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	2,578	258	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,763
Watch Dog.....	.....	.....	.....	.....	.....	4	1	.....	.....	.....	.....	5
Arctic.....	.....	.....	.....	1	.....	5	3	.....	.....	.....	.....	9
Trident.....	.....	.....	.....	.....	.....	6	1	.....	.....	.....	.....	7
Total.....	2,578	258	.....	1	.....	15	5	.....	.....	.....	.....	2,784

TABLE NO. 5. METERS REPAIRED AND REBUILT AT FACTORY IN 1958

MAKE	DIAMETER IN INCHES										Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	
Hersey.....	2,976	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,976
Watch Dog.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Total.....	2,986	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,986

TABLE NO. 5A. METERS PURCHASED NEW IN 1958

MAKE	DIAMETER IN INCHES										Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	
Hersey.....	.....	100	75	10	20	.....	.....	.....	.....	.....	1 208

TABLE NO. 6. METERS RESET IN 1958

MAKE	DIAMETER IN INCHES										Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	
Hersey.....	827	35	16	5	5	3	.....	2	.....	.....	893
Watch Dog.....	2	.....	.....	5	5	1	.....	.....	.....	.....	13
Total.....	829	35	16	10	10	4	.....	2	.....	.....	906

Connection pieces removed.....	817
Occupancy.....	89
Total.....	906

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TABLE NO. 7A. METERS CHANGED IN 1958. METERS TAKEN OUT

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	4,014	269	166	77	62	18	15	5	....	....	1	4,626
Watch Dog.....	607	27	36	37	28	32	6	....	....	....	....	773
Worthington.....	106	....	....	....	....	4	....	....	....	....	....	110
King.....	103	....	1	....	....	....	....	....	....	....	....	104
American.....	4	....	....	....	....	....	....	....	....	....	....	4
Federal.....	30	....	....	....	....	....	....	....	....	....	....	30
Nash.....	1	....	....	....	....	....	....	....	....	....	....	1
Trident.....	....	....	....	....	....	3	1	....	....	....	....	4
Lambert.....	1	....	....	....	....	....	....	....	....	....	....	1
Crown.....	....	....	1	....	....	....	....	....	....	....	....	1
Arctic.....	....	....	....	1	1	1	1	....	....	....	....	4
Sparling.....	....	....	....	....	....	....	....	2	....	....	....	2
Total.....	4,867	296	204	115	91	58	23	7	....	....	1	5,662

TABLE NO. 7B. METERS CHANGED IN 1958. METERS PUT IN

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	4,680	281	181	183	67	28	16	9	....	....	1	5,446
Watch Dog.....	15	....	2	41	30	38	7	....	....	....	....	123
Arctic.....	....	....	....	1	....	....	....	....	....	....	....	1
Total.....	4,695	281	183	225	97	66	23	9	....	....	1	5,570

TABLE NO. 8. METERS REPAIRED IN SERVICE

MAKE.	Defaced and Broken Clocks	Spindle Leaks	Coupling Leaks	New Train	Broken Gears	Examinations	Repair Train	Total
Hersey.....	94	212	26	5	2	140	2	481
Watch Dog.....	15	43	5	1	.....	4	1	69
King.....	.....	1	.....	.....	.....	.....	.....	1
Arctic.....	.....	1	.....	.....	.....	.....	.....	1
Trident.....	1	.....	.....	.....	.....	.....	.....	1
Total.....	110	257	31	6	2	145	2	553

TABLE NO. 9. METERS APPLIED IN 1958

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	369	15	15	36	14	6	6	5	.....	.....	.....	466
Watch Dog.....	.....	.....	.....	7	4	3	3	.....	.....	.....	.....	17
Connection Piece.....	4	.....	1	.....	3	.....	1	.....	.....	.....	.....	9
Total.....	373	15	16	43	21	9	10	5	.....	.....	.....	492
Meters applied on old service.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....	.....
Meters applied on new service.....	.....	.....	.....	.....	.....	.....	.....	466	.....	.....	.....	.....
Connection pieces applied on new service.....	.....	.....	.....	.....	.....	.....	.....	9	.....	.....	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	492	.....	.....	.....	.....

TABLE NO. 10. METERS DISCONTINUED IN 1958

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	1,297	90	42	17	13	.....	6	2	.....	.....	.....	1,467
Watch Dog.....	103	3	3	5	5	1	1	.....	.....	.....	.....	124
Worthington.....	25	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	28
King.....	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	5
Sparling.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Federal.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Connection Piece.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Total.....	1,432	93	46	22	18	7	7	3	.....	.....	.....	1,627

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TABLE NO. 11. REASON FOR METER CHANGE IN YEAR 1958

MAKE	Do Not Register	Coupling Leak	Spindle Leak	Department Test	Special Test	Noisy Meter	Enlarged Meter	Set Backwards	Clock Broken	No Foree	Frost
Hersey.....	2,404	18	720	110	28	68	47	31	57	72	171
Watch Dog.....	442	2	154	16	3	.....	2	1	4	5	14
Worthington.....	66	2	22	1	.....	.....	.....	1	2	1	.....
King.....	36	.....	7	.....	.....	.....	.....	.....	.....	.....	2
American.....	4	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Federal.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trident.....	3	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Arctic.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crown.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Lambert.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	2,958	23	903	128	31	68	49	33	64	78	188

TABLE NO. 12. METERS JUNKED IN 1958

MAKE	DIAMETER IN INCHES											Total
	5/8	3/4	1	1 1/2	2	3	4	6	8	10	12	
Hersey.....	186	5	4	.....	1	.....	3	2	1	.....	.....	202
Watch Dog.....	601	68	9	.....	1	.....	.....	.....	.....	.....	.....	679
King.....	160	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	161
Worthington.....	147	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	147
Federal.....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
American.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
Total.....	1,131	73	14	.....	2	.....	3	2	1	.....	.....	1,226

NOTE: The number of meters lost in service in 1958 amounts to 337.

TABLE NO. 1.

Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division,  
Water Services, and Number of Valves in Same, December 31, 1958.

	DIAMETER OF PIPE IN INCHES.															Total.
	48	42	40	36	30	24	20	16	12	10	8	6	4	3	2	
Length owned and operated December 31, 1957.....	55,595	16,191	9,599	30,238	75,205	89,675	108,223	380,499	1,864,483	446,984	1,366,896	917,868	62,734	11,904	6,311	5,442,345
Gate valves in same.....	26	4	5	31	50	78	72	791	5,300	1,571	5,004	3,034	551	18	18	16,533
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	163	10	203	141	67	9	.....	857
Lengths laid and rebaid during 1958.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,811
Gate valves in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	28	5	.....	.....	35
Air valves in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blowoffs in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,075	.....	3,772	.....	.....	.....	5,847
Lengths abandoned in 1958.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	6	1	.....	.....	.....	8
Gates abandoned in 1958.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Air valves abandoned in 1958.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blowoffs abandoned in 1958.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Length owned and operated December 31, 1958, including high pressure fire service.....	55,595	16,191	9,599	30,238	75,205	89,675	108,223	380,499	1,865,189	446,984	1,381,413	914,549	62,734	11,904	6,311	5,454,309
Gate valves in same.....	26	4	5	31	50	78	72	791	5,302	1,570	5,026	3,039	550	18	18	16,580
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	67	9	.....	857
High pressure fire service—length.....	.....	.....	.....	.....	.....	.....	20,140	46,594	31,756	.....	.....	.....	.....	.....	.....	98,849

TABLE NO. II.  
Total Number of Hydrants in System, December 31, 1958.

HYDRANTS	Lowry	Boston Lowry	Boston Post	Ordinary Post	Barchelder and Finneran Post	Ladlow Post	Chapman Post	Darling Post	Matthews Post	Boston Hydrant	Mueller Post	A. P. Smith Post	Total
Public, December 31, 1957.....	438	241	2,080	1,994	6,788	2	....	5	...	91	7	....	11,646
Private, December 31, 1957.....	33	5	29	126	17	13	56	...	4	111	....	....	394
Added during 1958.....	....	....	....	....	55	....	....	2	....	....	7	51	115
Abandoned during 1958.....	7	....	17	49	10	....	....	....	....	16	....	....	99
Total Public, December 31, 1958	431	241	2,063	1,915	6,833	2	....	7	...	75	14	51	11,662
Total Private, December 31, 1958	33	5	29	126	17	13	56	...	4	111	....	....	394

Total hydrants in service, December 31, 1957	12,040
Total hydrants added during 1958	115
Total hydrants abandoned during 1958	99
Total hydrants in service, December 31, 1958	12,056
High pressure fire hydrants in service, 1958	503
Total hydrants (all kinds) in service, December 31, 1958	12,559

**TABLE NO. III.**  
**Cost of Replacement of Main Pipe, 1958.**

WARD	STREET	Size (Inches)	Length (Feet)	Contract Amount (Less Junk)	Pipe Stock	Total Cost	Contractor
1	Border street.....	12 W 12	1,169.7	\$9,950.09	\$10,927.38	\$20,877.47	R. A. Buccella & Sons, Inc.
1	Condor street.....	12 W 12	905.1	6,879.84	7,206.88	14,086.72	R. A. Buccella & Sons, Inc.
3	Dwight street.....	6 W 8	694.0	5,745.80	2,579.00	8,324.80	Z & S Construction Company
3	Gilbert place.....	6 W 8	133.0	1,544.50	949.50	2,494.00	Z & S Construction Company
7	Mayhew street.....	6 W 8	740.0	5,969.15	3,740.00	9,709.15	E. Susi & Williams
7	St. Margaret street.....	6 W 8	704.0	2,485.74	3,289.00	5,774.74	E. Susi & Williams
8	Burrell street.....	6 W 8	180.0	3,478.30	1,980.00	5,458.30	E. Susi & Williams
8	East Cottage street.....	6 W 12	706.0	6,016.11	5,962.50	11,978.61	E. Susi & Williams
13	Savin Hill avenue.....	6 W 8	214.0	865.85	974.00	1,839.85	Mystic Construction Company, Inc.
19	Meyer street.....	6 W 8	101.0	559.74	378.50	938.24	Roslindale Contracting Company
	Totals.....			5,846.8	\$43,495.12	\$37,986.76	\$81,481.88

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**TABLE NO. IV.**  
**Cost of Extension of Main Pipe, 1958**

WARD	STREET	Size (Inches)	Length (Feet)	Contract Amount	Pipe Stock	Total Cost	Contractor
1	Border street.....	8	46.1	\$507.20	\$144.60	\$951.80	R. A. Buccella & Sons, Inc.
3	Gilbert place.....	8	114.0	630.00	465.00	1,095.00	Z & S Construction Company
4	Children's road.....	8	268.0		1,198.00	1,198.00	Children's Hospital

5	Bay State road.....	8	1,604.0	12,475.90	6,814.00	19,289.90	Z & S Construction Company
15	Freeport Way.....	8	438.7	1,743.60	2,385.45	4,129.05	C. Russo, Inc.
16	Manor street.....	8	686.0	1,500.30	2,986.00	4,486.30	Mystic Construction Company, Inc.
16	St. Clare road.....	8	173.0	384.00	865.50	1,249.50	C. Russo, Inc.
17	Manchester street.....	8	625.0	1,759.80	2,512.50	4,272.30	Mystic Construction Company, Inc.
17	Ruggles place.....	8	594.0	1,844.60	2,804.00	4,648.60	Mystic Construction Company, Inc.
18	Beech street.....	8	603.0	2,518.50	3,010.50	5,529.00	Roslindale Contracting Company
18	Florian street.....	8	455.8	1,213.50	2,155.39	3,368.80	C. Russo, Inc.
18	Hebron street.....	8	208.0	937.80	730.60	1,668.40	Carriere Construction Company
18	Highfield terrace.....	8	175.0	408.91	812.50	1,221.41	Mystic Construction Company, Inc.
18	Mattapan street.....	8	327.0	718.30	1,669.59	2,387.80	Mystic Construction Company Inc..
19	Martinwood road.....	8	448.0	1,110.60	2,543.00	3,653.60	Mystic Construction Company, Inc.
19	Slocum road.....	8	538.0	1,181.40	2,260.00	3,441.40	J. Capone
20	Aliano road.....	6	512.5	1,572.44	1,438.75	3,011.19	Dooley Brothers, Inc.
20	Ellswood street.....	8	257.0	605.85	1,099.50	1,705.35	Mystic Construction Company, Inc.
20	Linden road.....	8	199.5	534.35	998.25	1,532.60	Roslindale Contracting Company
20	Maplewood road.....	8	359.0	812.30	1,356.50	2,168.80	Roslindale Contracting Company
20	Moreland street.....	8	501.0	1,157.05	2,178.50	3,335.55	Roslindale Contracting Company
20	Northdale road.....	8	343.0	821.00	1,735.50	2,556.50	Mystic Construction Company, Inc.
20	Tobin road.....	8	205.0	567.10	767.50	1,334.60	Roslindale Contracting Company
20	Veterans of Foreign Wars Parkway.....	8	2,233.0	7,534.83	10,965.50	18,500.33	Roslindale Contracting Company
Totals.....				11,963.6	\$42,539.33	\$54,196.45	\$96,735.78

## APPENDIX H

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REPORT OF THE  
PUBLIC IMPROVEMENT COMMISSION

BOSTON, January 2, 1959.

HON. JOHN B. HYNES,

*Mayor of Boston.*

*Through the Commissioner of Public Works.*

DEAR MR. MAYOR:

In accordance with the provisions of Section 24, Chapter 3, of the Revised City Ordinances of 1947, the following report of the Public Improvement Commission for the year ending December 31, 1958, is respectfully submitted.

The Public Improvement Commission was established May 1, 1954, by the provisions of Section 57, Chapter 2, of the 1954 Ordinances. This Commission, consisting of the Commissioner of Public Works, the Commissioner of Real Property, and the Chairman of the Boston Traffic Commission, was assigned all of the powers and duties of the former Board of Street Commissioners, except:

- (a) Those relating to the storage and sale of inflammables, filling stations, and parking lots, which were transferred to the Committee on Licenses in the Public Safety Commission;
- (b) Those relating to the planting and removal of trees in public ways, the use of public ways for any temporary obstruction in, under, or over the same, the use of public ways for the storage and sale of merchandise, and the designating of coasting streets, which were transferred to the Commissioner of Public Works;
- (c) Those relating to the abatement of taxes, which were transferred to the Real Property Department.

Functions of the Board of Street Commissioners transferred to this Commission include the authority to lay out, widen, relocate, alter, discontinue, or rename public highways, and to order the making of specific repairs therein; to order the construction of sanitary sewers and storm drains; to take land by eminent domain for municipal purposes (except housing and

off-street parking); to permit the opening of private ways for public travel; to levy assessments for street, sidewalk, and sewer betterments; and to issue permits for the location of wire-carrying poles, conduits, pipes, tracks and similar uses of the public ways.

### STREET PROGRAM

During the period covered by this report, 98 highway improvements, including the laying out of 46 new highways, the widening and relocation of 17 public ways, the making of specific repairs in 18 existing streets, the alteration of 1 public way, the discontinuance of 11 streets, and the revision of grade of 5 streets were ordered by the Public Improvement Commission.

Of particular interest in these groups are the following projects:

The improvement of Commonwealth avenue, Brighton, from Warren street to Chestnut Hill avenue, at an estimated cost of \$340,000. Last year Commonwealth avenue was reconstructed from Brighton avenue to Warren street under the Chapter 90 Program, and the improvements included in the reconstruction have been very favorably noticed. This year's project provides for continuing the divided highway concept through the construction of a new roadway to carry west-bound traffic in the section that is now a grassed reservation. The present easterly roadway is to be divided into a two-lane road for through traffic and a 22-foot-wide service road.

The improvement of Columbus avenue, Roxbury, from Roxbury Crossing to Jackson square, at an estimated cost of \$85,000. This work includes the reduction in sidewalk widths and the construction of a new type rumble strip highway divider. This section of Columbus avenue is part of a principal route through the city from Mattapan square to Park square. In the past two years the section from Mattapan square to Egleston square has been completely reconstructed and improved.

The improvement of Dorchester avenue, South Boston, from West Fourth street to Dorchester street, at an estimated cost of \$120,000. The reconstruction of this street will include the reduction of existing sidewalk widths so as to allow an additional eight feet for highway traffic.

#### *Layouts with Construction*

The following streets were ordered laid out and constructed as public ways during 1958:

Aldwin road, West Roxbury, from Washington street to Brookway road. Length, 150 feet; estimated cost, \$6,750; estimated benefit, \$3,374.59.

Altacrest road, West Roxbury, from Ansonia road approximately 285 feet southeasterly. Length, 280 feet; estimated cost, \$6,848; estimated benefit, \$3,960.

Ascent street, West Roxbury, between Keystone street and Riverview street. Length, 358 feet; estimated cost, \$12,638; estimated benefit, \$4,419.50.

Atwill road, West Roxbury, from Richwood street approximately 240 feet southwesterly. Length, 240 feet; estimated cost, \$5,000; estimated benefit, \$2,500.

Bobolink street, West Roxbury, from La Grange street to Pheasant street. Length, 380 feet; estimated cost, \$12,747; estimated benefit, \$5,730.

Bradlee street, Hyde Park, between Safford street and Tacoma street. Length, 350 feet; estimated cost, \$10,537; estimated benefit, \$5,268.

Cassnet street, Dorchester, from Dickens street approximately 160 feet northerly. Length, 160 feet; estimated cost, \$3,973; estimated benefit, \$1,781.

Child street, Hyde Park, from Gordon avenue to Chestnut street. Length, 530 feet; estimated cost, \$10,280; estimated benefit, \$5,140.

Copeland park, Roxbury, from Copeland street approximately 130 feet southeasterly. Length, 130 feet; estimated cost, \$2,187; estimated benefit, \$1,093.50.

Constitution road, Dorchester, from Faunce road approximately 280 feet southeasterly. Length, 280 feet.

Dania street, Dorchester, from Faunce road to Cookson terrace. Length, 825 feet.

Dania terrace, Dorchester, from Dania street approximately 110 feet northwesterly. Length, 110 feet.

Faunce road, Dorchester, extended in part over Crossman street, between Cookson terrace and West Selden street. Length, 560 feet.

Jamestown terrace, Dorchester, from Dania street approximately 130 feet southeasterly. Length, 130 feet.

Viking terrace, Dorchester, between Dania street and Linvale terrace. Length, 175 feet.

Estimated cost for the foregoing six streets, \$65,283; estimated benefit for the foregoing six streets, \$32,641.39.

Freeport Way, Dorchester, from Freeport street approximately 440 feet easterly. Length, 440 feet; estimated cost, \$12,320; estimated benefit, \$5,583.96.

Gilmore terrace, Roxbury, from Park street approximately 200 feet southwesterly. Length, 200 feet; estimated cost, \$7,172; estimated benefit, \$3,586.

Glencliff road, West Roxbury, from Poplar street approximately 580 feet southeasterly. Length, 580 feet; estimated cost, \$14,000; estimated benefit, \$9,456.

Glenellen road, West Roxbury (formerly Riverview street), between Northdale road and Ascent street. Length, 770 feet; estimated cost, \$26,547; estimated benefit, \$14,660.

Hallet street, Dorchester, from Hill Top street southeasterly and southwesterly, approximately 1,075 feet. Length, 1,075 feet; estimated cost, \$29,960; estimated benefit, none.

Hebron street, Hyde Park, from Mariposa street approximately 400 feet northeasterly. Length, 400 feet; estimated cost, \$11,560; estimated benefit, \$4,842.50.

Leland road, West Roxbury, extended from Hackensack road approximately 631 feet southeasterly. Length, 630 feet; estimated cost, \$17,485; estimated benefit, \$7,725.

Lodgehill road, Hyde Park, from Ruffing street to Goff street. Length, 275 feet; estimated cost, \$9,453.90; estimated benefit, \$4,726.96.

Magee street, Hyde Park, from Austin street to Lodgehill road. Length, 730 feet; estimated cost, \$21,734; estimated benefit, \$10,867.07.

Meyer street, West Roxbury, from Catherine street approximately 290 feet southwesterly. Length, 290 feet; estimated cost, \$8,259.46; estimated benefit, \$4,129.73.

Newhill place, South Boston (formerly Hill place), from East Third street approximately 150 feet southerly. Length, 150 feet; estimated cost, \$2,331; estimated benefit, \$1,166.48.

Pheasant street, West Roxbury, from approximately 30 feet northwest of Swan street to approximately 330 feet northwesterly. Length, 330 feet; estimated cost, \$10,815; estimated benefit, \$4,302.

Public Alley No. 822, Roxbury, from St. Botolph street to Public Alley No. 821. Length, 100 feet; estimated cost, \$3,000; estimated benefit, none.

Quincy place, Roxbury, from Quincy street approximately 130 feet southwesterly. Length, 130 feet; estimated cost, \$2,022; estimated benefit, \$1,011.

Ruffing street, Hyde Park, from Sherrin street to Lodgehill road. Length, 515 feet; estimated cost, \$17,875; estimated benefit, \$8,937.45.

Sherrin street, Hyde Park, from Magee street to Beech street. Length, 920 feet; estimated cost, \$28,197; estimated benefit, \$14,098.50.

Sierra road, Hyde Park (formerly Westville road), from Neponset Valley Parkway approximately 200 feet northeasterly. Length, 200 feet; estimated cost, \$6,648; estimated benefit, \$3,324.

Stimson street, West Roxbury, from Veterans of Foreign Wars Parkway approximately 220 feet easterly. Length, 220 feet; estimated cost, \$6,160; estimated benefit, none.

Tracton avenue, Hyde Park, from Tileston street approximately 130 feet westerly. Length, 130 feet; estimated cost, \$4,063; estimated benefit, \$2,031.50.

Vogel street, West Roxbury, between Ascent street and Stimson street. Length, 1,105 feet; estimated cost, \$34,252; estimated benefit, \$21,458.

Westminster street, Hyde Park, from Huntington avenue to Wood avenue. Length, 1,385 feet; estimated cost, \$42,599; estimated benefit, \$11,584.68.

### *Layouts Without Construction*

The following streets were ordered laid out as public ways during 1958:

Atwill road, West Roxbury, from Richwood street southwesterly and southeasterly approximately 625 feet. Length, 625 feet.

Beechland street, West Roxbury, between Washington street and Beram avenue. Length, 392 feet.

Belvoir road, Dorchester, from Brandon avenue to Monticello avenue. Length, 230 feet.

Blair road, Dorchester, from Brandon avenue to Monticello avenue. Length, 205 feet.

Bow street, Hyde Park, between Dana avenue and Garfield avenue. Length, 570 feet.

Brandon avenue, Dorchester, from Monticello avenue to Mt. Vernon street. Length, 760 feet.

Garfield avenue, Hyde Park, from Newacre road approximately 110 feet east of Faraday street. Length, 110 feet.

Meyer street, West Roxbury, from Catherine street to Organ Park street. Length, 620 feet.

Monticello avenue, Dorchester, from Mt. Vernon street to Mt. Vernon street. Length, 3,015 feet.

Montpelier road, Dorchester, from Monticello avenue to Monticello avenue. Length, 870 feet.

Nottingham Path, Brighton, between Nottinghill road and Leamington road. Length, 210 feet.

Woodglen road, Hyde Park, from approximately 450 feet southeast of Washington street to Garfield street. Length, 259 feet.

### *Widenings and Relocations*

Clinton street, Boston Proper, between North street and the John F. Fitzgerald Expressway.

D street, South Boston, at the northeasterly corner of Dorchester avenue.

Dalton street, Boston Proper, between Scotia street and Cambria street.

Dorchester avenue, South Boston, at the northeasterly corner of Old Colony avenue.

Fernwood road, West Roxbury, from Landseer street approximately 190 feet southeasterly.

Firth road, West Roxbury, at the southeasterly corner of Florence street.

Hackensack road, West Roxbury, between Hackensack court and Hackensack Circle.

Harrison avenue, Boston Proper, on the northerly side, from Dover street approximately 65 feet southwesterly.

Hill Top street, Dorchester, at the southeasterly corner of Hallet street.

Norfolk avenue, Roxbury, at the northeasterly corner of Magazine street.

Norfolk avenue, Roxbury, at the southeasterly corner of Magazine street.

Norfolk avenue, Roxbury, at the northeasterly corner of Shirley street.

Pleasantdale road, West Roxbury, on the easterly side, approximately 350 feet south of Stimson street.

Sachem street, Roxbury, at the easterly corner of Parker Hill avenue.

St. Botolph street, Roxbury, at the northerly corner of Gainsborough street.

Tyler street, Boston Proper, at the northwesterly corner of Curve street.

Willow court, Dorchester, between Boston street and Field's court. Estimated cost, \$8,728; estimated benefit, \$7,216.

### *Specific Repairs*

Alford street, Charlestown, at Sullivan square, consisting of the extension of division islands at various locations and the construction of traffic signal protection bumpers.

Blue Hill avenue, Dorchester, at the intersection of River street (Mattapan square), consisting of the relocation and reconstruction of existing and proposed traffic divisional islands.

Broadway, South Boston, from Dorchester avenue approximately 250 feet northwesterly, consisting of the reduction in width of the northeasterly sidewalk.

Cambridge street, Charlestown, at Sullivan square, consisting of the extension of divisional island at various locations and the construction of traffic signal protection bumpers.

Chelsea street, Charlestown, at the southeasterly corner of Gray street, consisting of increasing the curb radius.

Columbia road, Dorchester, between Hamlet street and Dudley street, consisting of the installation of a fence in the existing traffic divisional island.

Columbus avenue, Roxbury, between Tremont street and Centre street, consisting of the installation of a traffic divisional island.

Columbus avenue, Roxbury, between Tremont street and Centre street, consisting of the reduction in width of existing sidewalks.

Commonwealth avenue, Brighton, between Kelton street and Chestnut Hill avenue, consisting of the relocation of the existing streetcar reservation from approximately 100 feet northeast of Kelton street to approximately 500 feet southeasterly thereof, and the reduction in width of the existing streetcar reservation from Wallingford road to Chestnut Hill avenue; the construction of a new traffic roadway adjacent to the northwesterly side of this relocated streetcar reservation and the existing streetcar reservation from Kelton street to Wallingford road; the reduction in width of the existing traffic divisional island between Kelton street and Boulevard terrace, and the construction of a new traffic divisional island from Boulevard terrace to Chestnut Hill avenue; the reduction in width of the existing service road adjacent to the northwesterly side of Commonwealth avenue from Warren street to Fidelis Way and from Washington street to Wallingford road; the widening of the existing service road from Fidelis Way to Washington street; the reduction in width of the existing sidewalks on the southeasterly side from Commonwealth terrace to Chestnut Hill avenue and on the northwesterly side from Warren street approximately 100 feet southwesterly of Fidelis Way, from Euston road to Leamington road, and from Wallingford road to Chestnut Hill avenue; and the relocation of existing roadways, sidewalks, reservation and streetcar reservation crossings at various locations.

Crehore road, West Roxbury, at the northeast intersection of West Roxbury Parkway, consisting of the relocation of the existing sidewalk.

Cummins Highway, Dorchester (Mattapan square), approximately 50 feet northwest of River street, consisting of the elimination of the crossover in the existing traffic divisional island.

Dorchester avenue, South Boston, between West Fourth street and Dorchester street, consisting of the reduction in width of existing sidewalks and the installation of traffic divisional islands at various locations.

Hancock street, Dorchester, consisting of the installation of traffic divisional islands at Pleasant street.

Harrison avenue, Boston Proper, between Dover street and Fay street, consisting of the reduction in width of the northwesterly sidewalk.

Main street, Charlestown, at Sullivan square, consisting of the extension of divisional islands at various locations and the construction of traffic signal protection bumpers.

Massachusetts avenue, Dorchester, on the southwesterly side from the Midland Division location of the New York, New Haven & Hartford Railroad to Clapp street, consisting of the reduction in width of the existing sidewalk.

Pleasant street, Dorchester, at Hancock street, consisting of the installation of traffic divisional islands.

Rutherford avenue, Charlestown, at Sullivan square, consisting of the extension of divisional islands at various locations and the construction of traffic signal protection bumpers.

#### *Grade Revisions*

Belnap road, Hyde Park, from Eastmont road to Leighton road.

Dodge road, Hyde Park, from Leighton road approximately 480 feet northwesterly.

Farwell avenue, Hyde Park, from approximately 450 feet southeast of Summit street to Milton avenue.

Joan road, Hyde Park, from Leighton road to Dodge road.

Leighton road, Hyde Park, from the northerly end of Eastmont road to the southerly end of Eastmont road.

#### *Discontinuances*

Blackstone street, Boston Proper, between North street and Clinton street.

Centre street, West Roxbury, a portion at the westerly side between Autumn street and Alaric street.

Clinton street, Boston Proper, at the northerly corner of Fulton street.

Dalton street, Boston Proper, from Scotia street to approximately 50 feet northwest of Cambria street.

Fulton street, Boston Proper, between Clinton street and the John F. Fitzgerald Expressway.

Gillette park, South Boston, a portion on the northerly side between Dorchester avenue and Granite street.

Hackensack road, West Roxbury, a portion on the westerly side between Hackensack court and Hackensack Circle.

John street, Boston Proper, between North street and Fulton street.

Public Alley No. 821, Roxbury, between Gainsborough street and Public Alley No. 822.

Safford street, Hyde Park, on the northerly and southerly sides between Huntington avenue and Bradlee street.

West Newton street, Boston Proper, from Falmouth street approximately 116 feet northerly.

#### *Alterations*

South Bay avenue, Roxbury, between Atkinson street and Moore street, consisting of alterations in the proposed construction as approved by the Mayor August 7, 1957.

### SEWER PROGRAM

During the year 1958 the construction of 1.29 miles of sanitary sewer, 1.49 miles of storm sewer, 133 catch basins, and 24 drop inlets was ordered at a total estimated cost of \$256,097.25.

Estimated benefit to private property for the construction of the 1.29 miles of sanitary sewer amounted to \$36,462.71.

The following sewer easements were ordered abandoned:

Cutter road, West Roxbury, at Dow road.

Private land, West Roxbury, adjacent to Bertson avenue.

For sewerage works ordered see table on following pages.

## SEWERAGE WORKS ORDERED

STREET	Sanitary Sewer (Linear Feet)	Surface Drain (Linear Feet)	Catch Basins	Drop Inlets	Estimated Cost	Estimated Benefit
<b>Boston Proper</b>						
*Clinton street.....	178	.....	.....	.....	\$10,000 00	None
Harrison avenue.....	.....	.....	3	3	650 00	None
*Hereford street.....	235	.....	.....	.....	47,000 00	None
<b>Dorchester</b>						
Constitution road.....	.....	.....	1	.....	450 00	None
Dania street.....	.....	.....	4	.....	1,900 00	None
Daniaterrace.....	.....	.....	1	.....	450 00	None
Faunce road.....	.....	55	3	.....	1,500 00	None
Freeport Way.....	230	.....	4	.....	2,900 00	\$1,500 00
Freeport Way.....	185	.....	.....	.....	3,100 00	1,500 00
Jamestown terrae.....	.....	.....	1	.....	630 00	None
*Manchester street.....	.....	.....	3	2	1,800 00	None
*Manor street.....	597	600	5	.....	11,000 00	\$4,829 98
Mattapan street.....	.....	280	.....	.....	1,346 25	None
*St. Clare road, from Boutwell street approx- imately 200 feet north- westerly.....	180	.....	.....	.....	2,000 00	\$1,500 00
St. Clare road.....	.....	.....	2	.....	1,000 00	None
Savannah avenue.....	.....	.....	3	.....	1,700 00	None
Train street.....	.....	.....	1	1	300 00	None
<b>Hyde Park</b>						
*Asheville road.....	.....	510	.....	.....	2,310 00	None
*Austin street.....	138	100	.....	.....	1,900 00	\$225 00
*Beech street }.....	.....	662}	.....	.....	3,334 00	None
*Lodgehill road }.....	.....	75}	.....	.....	.....	.....
Beech street.....	.....	.....	2	.....	1,400 00	None
Bradlee street.....	.....	360	3	.....	5,800 00	None
Chestnut street.....	.....	135	1	.....	750 00	None
Child street.....	.....	485	2	.....	5,650 00	None
*Child street.....	.....	88	.....	.....	600 00	None
Child street, between Linwood street and Perkins street.....	400	400	.....	.....	6,000 00	\$3,000 00
Dodge road.....	.....	.....	1	.....	1,300 00	None
Goff street.....	65	70	2	.....	2,600 00	None
Grew avenue.....	1,310	.....	.....	.....	14,900 00	None

\* Easements taken

STREET	Sanitary Sewer (Linear Feet)	Surface Drain (Linear Feet)	Catch Basins	Drop Inlets	Estimated Cost	Estimated Benefit
<b>Hyde Park (Continued)</b>						
Hebron street.....			12	1	\$1,300 00	None
Lodgehill road.....		165	2		2,200 00	None
'Private land, between Austin street and Stony Brook.....	420	410			7,940 00	None
Rosemont street.....			2		1,200 00	None
Ruffing street.....			3		2,000 00	None
*Sherrin street.....	315	315			4,150 00	\$2,025 00
Sherrin street.....			5		3,000 00	None
Tacoma street.....		110			1,500 00	None
Viking terrace.....			2		900 00	None
*Windham road.....	285	285			4,000 00	\$1,800 00
<b>Roxbury</b>						
Columbus avenue.....			14	14	4,200 00	None
Copeland park.....			1		700 00	None
Norfolk avenue.....				1	200 00	None
Parker Hill terrace.....			1		500 00	None
Quiney place.....			2		700 00	None
Sachem street.....			1	1	300 00	None
South Bay avenue.....	450		7		25,000 00	\$5,400 00
<b>South Boston</b>						
D street.....			1		400 00	None
Newhill place.....			2		900 00	None
<b>West Roxbury</b>						
Altacrest road.....			2		750 00	None
Ascent street.....	125	280	3		6,000 00	\$700 00
Atwill road.....			2		800 00	None
Bobolink street.....			2		800 00	None
Centre street.....			1		100 00	None
Firth road.....				1	200 00	None
*Florian street.....	480	480	6		11,000 00	\$3,600 00
*Florian Way.....	290	290	2		7,162 00	2,503 44
Glencliff road.....			1		500 00	None
Glenellen road.....		690	8		10,000 00	None
Gould street.....			2		900 00	None

\* Easements taken

STREET	Sanitary Sewer (Linear Feet)	Surface Drain (Linear Feet)	Catch Basins	Drop Inlets	Estimated Cost	Estimated Benefit
<b>West Roxbury (Continued)</b>						
*Grandview street.....	90	.....	.....	.....	\$900 00	None
*Highfield terrace.....	160	1	.....	.....	990 00	None
La Grange street.....	215	.....	.....	.....	2,150 00	\$1,612 50
Leland road.....	.....	.....	1	.....	400 00	None
*Lyall terrace.....	210	210	.....	.....	3,000 00	\$1,350 00
*Maplewood street.....	262	.....	.....	.....	1,400 00	None
*Martinwood road.....	.....	.....	2	.....	795 00	None
*Moreland street.....	300	.....	3	.....	1,990 00	None
Pheasant street.....	.....	.....	2	.....	800 00	None
Veterans of Foreign Wars Parkway.....	500	.....	.....	.....	7,500 00	\$4,916 79
Vogel street.....	.....	.....	8	.....	3,500 00	None

\* Easements taken

## ASSESSMENTS

During the year 1958, the Highway Division of the Public Works Department sent notice of completion of 62 streets at a total cost of \$697,513.17. On this work the Public Improvement Commission levied assessments in the amount of \$277,359.15.

During the same period, the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in 11 streets at a cost of \$64,984.14, on which the Public Improvement Commission levied assessments in the amount of \$27,672.

The completion of new sidewalks in one street at a cost of \$11,291.46, authorized by the Boston City Council, was also reported by the Highway Division. On this the Public Improvement Commission levied an assessment of \$5,234.25.

## STREET ASSESSMENTS

STREET	District	Cost	Assessment
Ascent street.....	West Roxbury	\$12,559 84	\$2,702 50
Asheville road.....	Hyde Park	12,208 85	4,807 51
Beachview road.....	East Boston	25,483 24	5,711 16
Burley street.....	West Roxbury	17,630 42	4,890 00
Byrd avenue.....	West Roxbury	15,322 47	6,985 00
Capital street.....	West Roxbury	12,099 68	4,451 00
Claron street.....	West Roxbury	8,836 20	4,330 00
Coffey street.....	Dorchester	11,457 76	5,239 00
Crestwood park.....	Roxbury	9,184 32	1,970 55
Crockers Lane.....	West Roxbury	16,632 20	6,259 09
Cutler court.....	South Boston	1,836 27	936 86
Dalin place.....	Roxbury	4,067 28	1,816 05
Daniel court.....	Hyde Park	3,146 27	2,139 76
Derry road.....	Hyde Park	13,629 39	6,843 50
DeStefano road.....	West Roxbury	11,026 89	5,458 60
Dietz court.....	Hyde Park	3,356 16	1,797 50
Dietz road.....	Hyde Park	34,846 55	12,782 50
Dodge road.....	Hyde Park	6,097 51	2,354 50
Dudley terrace.....	Dorchester	2,656 80	876 00
Eastmont road.....	Hyde Park	7,861 46	4,073 75
Eatonia street.....	Brighton	6,593 76	2,819 82

## STREET ASSESSMENTS — Continued

STREET	District	Cost	Assessment
Farwell avenue.....	Hyde Park	\$12,987 62	\$4,329 00
Favre street.....	Dorchester	8,083 77	3,187 00
Forsyth street.....	Roxbury	21,233 43	13,335 84
Furbush road.....	West Roxbury	13,501 91	5,387 50
Graham terrace.....	West Roxbury	5,377 04	1,502 00
Grandview street.....	West Roxbury	14,836 53	5,405 75
Greenwich court.....	Roxbury	3,724 92	1,207 30
Greenwood Circle.....	Hyde Park	5,937 73	2,650 00
Hackensack road.....	West Roxbury	13,104 19	2,708 98
Hautevale street.....	West Roxbury	6,628 61	3,101 00
Huntington avenue.....	Hyde Park	28,146 54	10,360 50
Hutchinson street.....	Dorchester	10,968 48	3,319 68
June street.....	West Roxbury	12,784 53	5,401 25
Kardon road.....	Hyde Park	4,399 09	3,919 00
Kristin court.....	Hyde Park	4,034 10	1,718 50
Larch place.....	West Roxbury	5,631 95	2,405 00
Leighton road.....	Hyde Park	31,230 76	12,421 50
Liberty place.....	South Boston	3,620 81	1,150 00
Lovis street.....	South Boston	2,957 33	1,021 50
Margo road.....	Brighton	28,565 28	14,731 00
Melba Way.....	Hyde Park	12,267 41	5,395 00
Messinger street, between Orlando and Savannah avenue.....	Dorchester	5,798 00	1,950 00
Messinger street, between Brockton and Orlando.....	Dorchester	29,392 94	8,986 00
Meyer street.....	West Roxbury	4,696 51	2,600 00
Newfield street.....	West Roxbury	13,595 85	6,262 50
Orlando street.....	Dorchester	10,348 64	3,951 00
Parker Hill terrace.....	Roxbury.....	3,966 11	1,170 00
Rainier road.....	Dorchester and Hyde Park	10,647 29	2,709 00
Robken road.....	West Roxbury	17,205 23	7,991 65
Rosecliff terrace.....	West Roxbury	6,318 50	3,107 02
Rushmore street.....	Brighton	13,148 36	4,108 25
Safford street.....	Hyde Park	32,877 96	13,474 38
Savannah avenue.....	Dorchester	14,877 76	5,139 00
Selwyn street.....	West Roxbury	6,281 88	2,309 93
Senders court.....	Hyde Park	6,707 19	5,431 50
Sherbrook street.....	West Roxbury	7,604 06	3,076 47
Spinney street.....	West Roxbury	9,924 26	3,642 73

**STREET ASSESSMENTS — Concluded**

STREET	District	Cost	Assignment
Susanna court.....	Hyde Park	\$4,127 60	\$2,723 75
West Sorrento street.....	Brighton	7,417 38	1,641 27
Wharton court.....	Hyde Park	3,989 69	1,833 75
Willow terrace.....	West Roxbury	1,732 61	1,350 00
<b>Totals.....</b>		<b>\$697,513 17</b>	<b>\$277,359 15</b>

**SEWER ASSESSMENTS**

STREET	District	Cost	Assessment
Asheville road.....	Hyde Park	\$1,006 00	\$600 00
Corman road.....	Dorchester	3,144 00	2,040 00
Farwell avenue.....	Hyde Park	1,766 00	1,324 50
Gallivan Boulevard.....	Dorchester	3,680 00	1,950 00
Grandview street.....	West Roxbury	9,000 00	5,850 00
Huntington avenue.....	Hyde Park	1,367 50	1,020 00
Mansur street.....	West Roxbury	6,200 00	4,575 00
Parkway.....	West Roxbury	1,164 00	750 00
South Bay avenue, between Topeka and Moore.....	Roxbury	18,672 37	5,400 00
South Bay avenue, between Atkinson and Cummings.....	Roxbury	18,284 27	3,600 00
Valencia road.....	Hyde Park	700 00	562 50
<b>Totals.....</b>		<b>\$64,984 14</b>	<b>\$27,672 00</b>

**SIDEWALK ASSESSMENT**

STREET	District	Cost	Assessment
Willowdean avenue.....	West Roxbury	\$11,291 46	\$5,234 25

**STREET NAME CHANGES**

The name of the following public street was changed:  
 Buena Vista street, Roxbury District, between Warren street and Walnut avenue; new name: St. Richard street.

**LAND DAMAGES**

On new street construction 133 claims were filed for damage to property resulting from land takings or changes in grade. On these claims, this Commission awarded damages in the amount of \$36,305.95.

During the period of this report 150 petitions from public utilities were approved for the placing and maintaining of poles for the support of wires.

Also, 65 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston as follows:

STREET	Petitioner	Nature of Petition
Asheville road, Hyde Park	Worcester Gas Light Company	Underground gas main
Asticou road, West Roxbury	Boston Gas Company	Underground gas main
Baker street, West Roxbury	Boston Gas Company	Underground gas main
Beacon street, Boston Proper	Boston Gas Company	Underground gas main
Belvidere street, Boston Proper	New England Telephone & Telegraph Company	Telephone cable
Binney street, Roxbury	Children's Cancer Research Foundation	Underground conduit
Blake street, Hyde Park, at River street	Worcester Gas Light Company	Underground gas main
Blake street, Hyde Park, at Mariposa street	Worcester Gas Light Company	Underground gas main
Boutwell street, Dorchester	Boston Gas Company	Underground gas main
Buchanan road, West Roxbury	Boston Gas Company	Underground gas main
Causeway street, Boston Proper	Boston Gas Company	Underground gas main
Clarendon street, Boston Proper	Boston Edison Company	Underground conduit
Colorado street, Dorchester	Boston Gas Company	Underground gas main
Dale street, Hyde Park	Worcester Gas Light Company	Underground gas main
Dartmouth street, Boston Proper	The Commonwealth School	Pile caps
Davison street, Hyde Park, at Fairmount avenue	Worcester Gas Light Company	Underground gas main
Davison street, Hyde Park, at Arlington street	Worcester Gas Light Company	Underground gas main
DeSoto road, West Roxbury	Boston Gas Company	Underground gas main
Eagle street, East Boston	Boston Gas Company	Foundation
Egremont road, Brighton	Boston Gas Company	Underground gas main
Falmouth street, Boston Proper	Boston Edison Company	Underground conduit
Federal street, Boston Proper	Blue Cross-Blue Shield	Footing and caps
Gardner street, Brighton	Boston Gas Company	Underground gas main
Harrison avenue, Boston Proper	Boston Gas Company	Underground conduit
Heinenway street, Boston Proper	Boston Conservatory of Music	Foundation and canopy
Hemenway street, Boston Proper	Boston Conservatory of Music	Oil tank
High street, Boston Proper	Boston Edison Company	Underground conduit
Hudson street, Boston Proper	Boston Gas Company	Underground gas main
Huntington avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Hyde Park avenue, West Roxbury	Boston Gas Company	Underground gas main

STREET	Petitioner	Nature of Petition
Itasca street, Dorchester at Messinger street	Boston Gas Company	Underground gas main
Itasca street, Dorchester, at Croyden street	Boston Gas Company	Underground gas main
La Grange street, West Roxbury	Boston Gas Company	Underground gas main
Laurie avenue, West Roxbury	Boston Gas Company	Underground gas main
Locust street, Dorchester	Boston Gas Company	Underground gas main
Mariposa street, Hyde Park	Worcester Gas Light Company	Underground gas main
Mattapan street, Dorchester	Boston Gas Company	Underground gas main
New Haven street, West Roxbury	Boston Gas Company	Underground gas main
Norway street, Boston Proper	First Church of Christ Scientist	Underground conduit
Old Colony avenue, South Boston	V. S. H. Realty Company	Foundation
Peabody street, Roxbury	Children's Cancer Research Foundation	Underground conduit
Pheasant street, West Roxbury	Boston Gas Company	Underground gas main
Pierce street, Hyde Park	Worcester Gas Light Company	Underground gas main
Porter street, East Boston	Boston Gas Company	Underground gas main
Prescott street, Hyde Park	Worcester Gas Light Company	Underground gas main
Public Alley No. 424, Boston Proper	The Commonwealth School	Pile caps
Public Alley No. 442, Boston Proper	Boston Edison Company	Underground conduit
Rosselerin road, Dorchester	Boston Gas Company	Underground gas main
Savannah avenue, Dorchester	Boston Gas Company	Underground gas main
School street, Boston Proper	Boston Edison Company	Underground conduit
South street, West Roxbury	Boston Gas Company	Underground gas main
Southampton street, South Boston	Boston Gas Company	Underground gas main
Sparrow street, West Roxbury	Boston Gas Company	Underground gas main
Thatchier street, Hyde Park	Worcester Gas Light Company	Underground gas main
Tyler street, Boston Proper	Boston Edison Company	Underground conduit
Valley road, Dorchester	Boston Gas Company	Underground gas main
Victory road, Dorchester	Boston Gas Company	Underground gas main
Wachusett street, Hyde Park	Worcester Gas Light Company	Underground gas main
Webster street, Hyde Park	Worcester Gas Light Company	Underground gas main
West street, Hyde Park	Worcester Gas Light Company	Underground gas main
Wood avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Woodard road, West Roxbury	Boston Gas Company	Underground gas main
Wooddale avenue, Dorchester	Boston Gas Company	Underground gas main
Woodlind road, Hyde Park	Worcester Gas Light Company	Underground gas main
Woodstock street, Brighton	Governor Apartments, Inc.	Underground conduit

## PRIVATE WAYS

During the year 1958 permission was given to prepare for public travel the following private ways:

Dow road, West Roxbury, from approved portion northwesterly.

Florian Way, West Roxbury, from Florian street approximately 300 feet southerly and southwesterly.

Highfield Terrace, West Roxbury, from Highfield street approximately 150 feet northwesterly.

Manchester street, Dorchester, from a point approximately 570 feet west of Temple street approximately 300 feet easterly.

Manor street, Dorchester, from Rosselerin road to approximately 50 feet beyond Matignon road.

Maplewood street, West Roxbury, from St. Theresa avenue to Petrel street.

Martinwood street, West Roxbury, from South street to Asticou road.

Matignon road, Dorchester, between Manor street and Train street.

Moreland street, West Roxbury, from Laurie avenue to Belle avenue.

St. Clare road, Dorchester, from Boutwell street approximately 200 feet northwesterly.

Sherrin street, Hyde Park, from Austin street approximately 75 feet south of Windham road.

Windham road, Hyde Park, from Austin street to Sherrin street.

During the same period, permission was given to open for public travel the following private ways:

Corman road, Dorchester, beginning at a point approximately 350 feet north of Cummins Highway to a point approximately 680 feet northerly and northeasterly.

Desmond road, West Roxbury.

Dow road, West Roxbury, from a point approximately 70 feet southeast of Cutter road approximately 460 feet northwesterly.

Kiernan road, West Roxbury.

Lorna road, Dorchester, from Lena terrace approximately 450 feet southwesterly.

Maria Lane, West Roxbury.

Merola park, Dorchester.

Respectfully submitted,

HERMAN CARP, *Chairman*,  
ROBERT P. SHEA, *Vice-Chairman*,  
TIMOTHY J. O'CONNOR, *Member*.

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